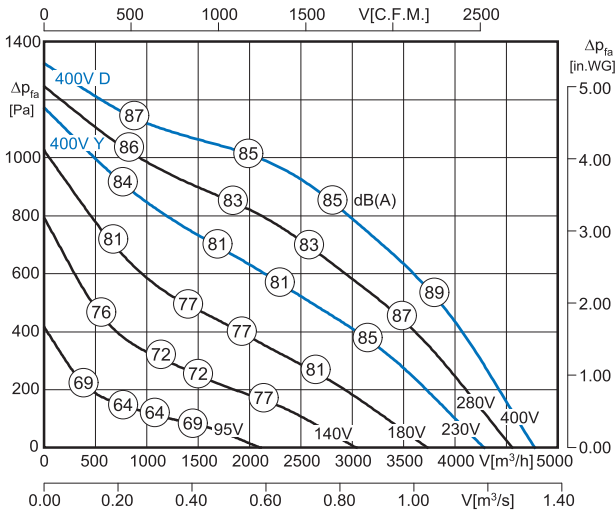




- in allen Einbaulagen montierbar
- rückwärtsgekr. Hochleistungslaufrad
- 100% stufenlos regelbar
- kompakte, raumsparende Bauart
- mountable in all installation positions
- backward curved high efficiency impeller
- speed is 100% infinitely variable
- compact, space saving design

Technische Daten / Technical data:



Geräusche / Sound levels:

L_{W(A)5} = L_{W(A)8} - 6 dB
L_{W(A)6} = L_{W(A)8} - 3 dB
L_{W(A)8} ist in der Luftleistungskennlinie dargestellt

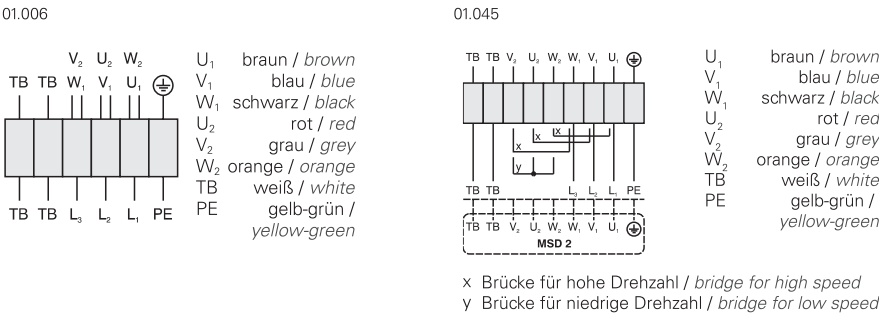
L_{W(A)5okt} = L_{W(A)5} + L_{W(A)5rel}
L_{W(A)6okt} = L_{W(A)6} + L_{W(A)6rel}
L_{W(A)8okt} = L_{W(A)8} + L_{W(A)8rel}

Table with 2 rows of sound level data (LWA5, LWA6) and 7 columns of frequency (125, 250, 500, 1K, 2K, 4K, 8K Hz).

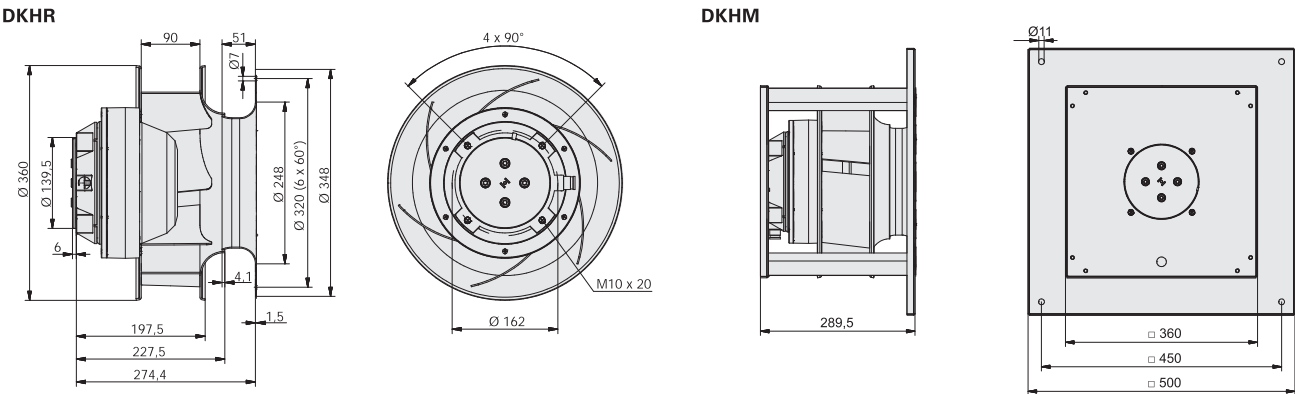
Düsenbeiwert / Calibration factor : k₁₀ = 78

Table with 13 columns: Ventilatortyp / Fan Type, U [V], f [Hz], P [kW], I_N [A], n [min⁻¹], t_r [°F], t_r [°C], ΔI [%], I_a/I_n, IP, star symbol, weight [kg] DKHR, weight [kg] DKHM.

Schaltbild / Wiring diagram:



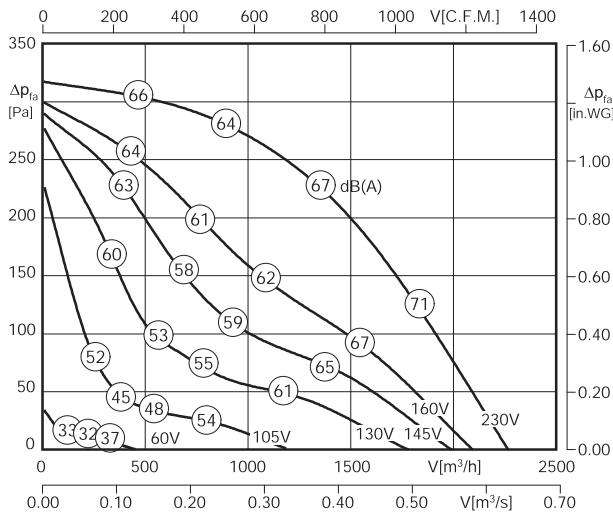
Maße / Dimensions : [mm]





- in allen Einbaulagen montierbar
- rückwärtsgekr. Hochleistungslaufrad
- 100% stufenlos regelbar
- kompakte, raumsparende Bauart
- mountable in all installation positions
- backward curved high efficiency impeller
- speed is 100% infinitely variable
- compact, space saving design

Technische Daten / Technical data:



Geräusche / Sound levels:

$$L_{W(A)5} = L_{W(A)8} - 6 \text{ dB}$$

$$L_{W(A)6} = L_{W(A)8} - 3 \text{ dB}$$

$L_{W(A)8}$ ist in der Luftleistungskennlinie dargestellt
is displayed in air performance curve

$$L_{W(A)5\text{okt}} = L_{W(A)5} + L_{W(A)5\text{rel}}$$

$$L_{W(A)6\text{okt}} = L_{W(A)6} + L_{W(A)6\text{rel}}$$

$$L_{W(A)8\text{okt}} = L_{W(A)8} + L_{W(A)8\text{rel}}$$

LWArel A-bewertet bei V=0,5*Vmax LWArel A-weighted at V=0,5*Vmax	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA5 [dB(A)] Ansaugseite / inlet side	-11	-10	-8	-7	-5	-9	-17
LWA6 / LWA8 [dB(A)] Ausblasseite / outlet side	-13	-9	-7	-5	-7	-10	-21

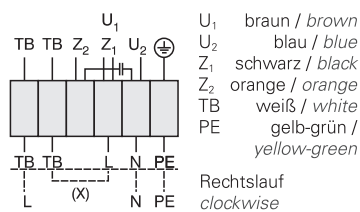
Düsenbeiwert / Calibration factor: $k_{10} = 77$

Ventilator typ / Fan Type	U [V]	f [Hz]	P [kW]	I _N [A]	n [min ⁻¹]	C [μF]	t _R [°F]	t _R [°C]	ΔI [%]	I _a /I _n	⚠	★	⚖ [kg] EKHR	⚖ [kg] EKHM
EKH_315-4_B.090.4EC	1 ~ 230	50	0.19	0.9	1360	4	176	80	-	2.55	IP54	01.024	6	15

60Hz-Daten siehe Seite 117 / 60Hz data please see page 117

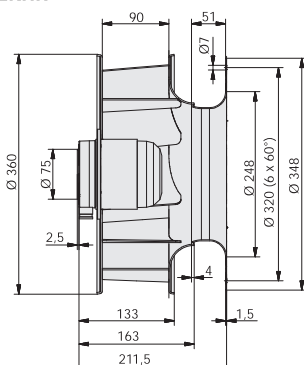
Schaltbild / Wiring diagram:

01.024

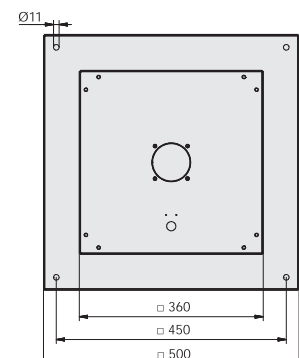
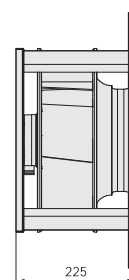
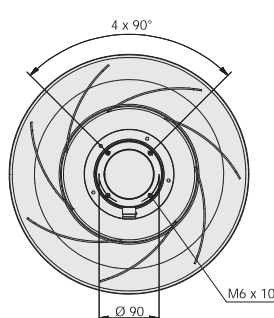


Maße / Dimensions : [mm]

EKHR



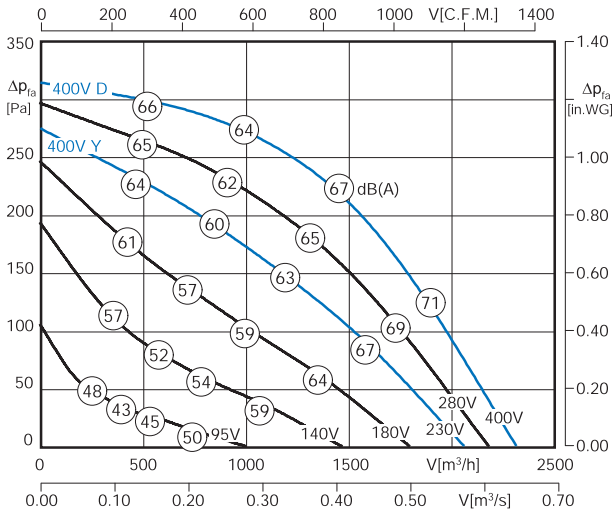
EKHM





- in allen Einbaulagen montierbar
- rückwärtsgekr. Hochleistungslaufrad
- 100% stufenlos regelbar
- kompakte, raumsparende Bauart
- mountable in all installation positions
- backward curved high efficiency impeller
- speed is 100% infinitely variable
- compact, space saving design

Technische Daten / Technical data:



Geräusche / Sound levels:

L_W(A)5 = L_W(A)8 - 6 dB
L_W(A)6 = L_W(A)8 - 3 dB
L_W(A)8 ist in der Luftleistungskennlinie dargestellt
is displayed in air performance curve

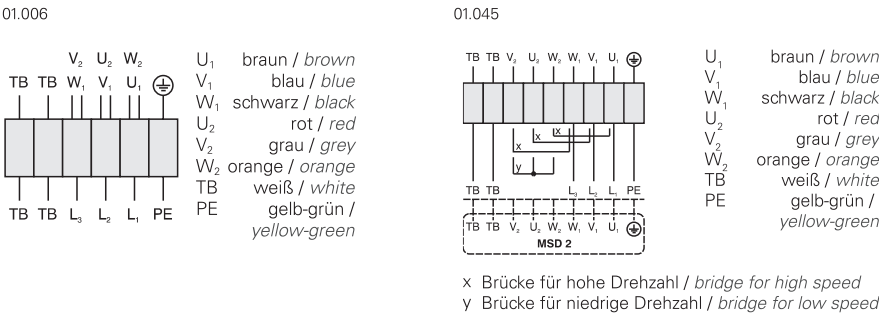
L_W(A)5okt = L_W(A)5 + L_W(A)5rel
L_W(A)6okt = L_W(A)6 + L_W(A)6rel
L_W(A)8okt = L_W(A)8 + L_W(A)8rel

Table with 2 rows of headers and 7 columns of data for sound power levels (LWA5, LWA6, LWA8) in dB(A) at different frequencies (125, 250, 500, 1K, 2K, 4K, 8K Hz).

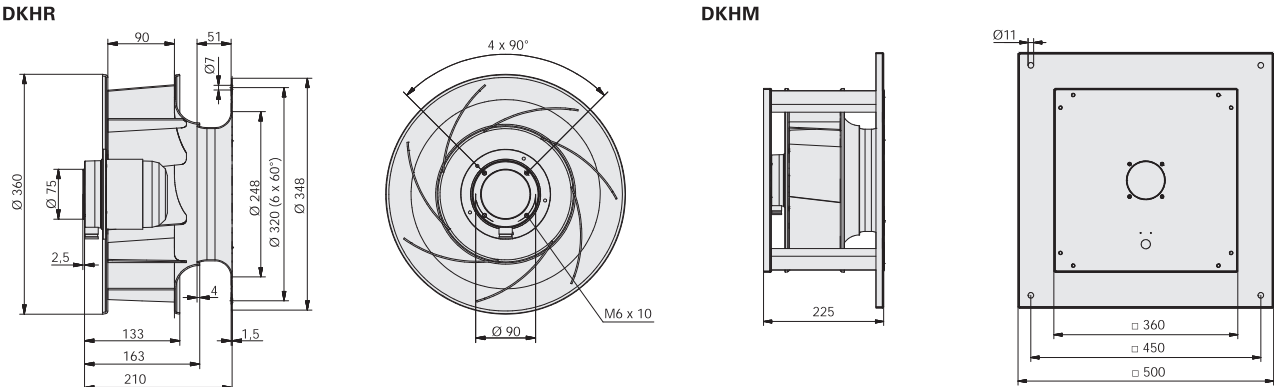
Düsenbeiwert / Calibration factor : k_10 = 77

Table with 14 columns: Ventilatortyp / Fan Type, U [V], f [Hz], P [kW], I_N [A], n [min^-1], t_R [°F], t_R [°C], Delta I [%], I_a/I_n, IP, star symbol, weight [kg] DKHR, weight [kg] DKHM. It lists specifications for DKH_315-4_B.090.4EC and DKH_315-G_B.090.4EC.

Schaltbild / Wiring diagram:



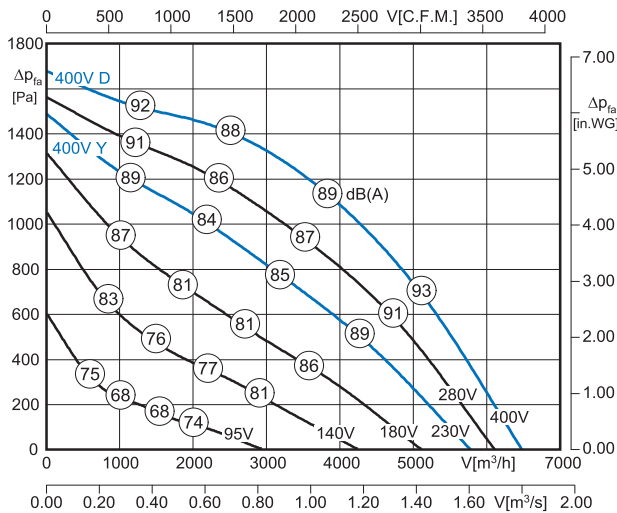
Maße / Dimensions : [mm]





- in allen Einbaulagen montierbar
- rückwärtsgekr. Hochleistungslaufrad
- 100% stufenlos regelbar
- kompakte, raumsparende Bauart
- mountable in all installation positions
- backward curved high efficiency impeller
- speed is 100% infinitely variable
- compact, space saving design

Technische Daten / Technical data:



Geräusche / Sound levels:

$$L_{W(A)5} = L_{W(A)8} - 6 \text{ dB}$$

$$L_{W(A)6} = L_{W(A)8} - 3 \text{ dB}$$

$L_{W(A)8}$ ist in der Luftleistungskennlinie dargestellt
is displayed in air performance curve

$$L_{W(A)5\text{okt}} = L_{W(A)5} + L_{W(A)5\text{rel}}$$

$$L_{W(A)6\text{okt}} = L_{W(A)6} + L_{W(A)6\text{rel}}$$

$$L_{W(A)8\text{okt}} = L_{W(A)8} + L_{W(A)8\text{rel}}$$

LWArel A-bewertet bei V=0,5*Vmax LWArel A-weighted at V=0,5*Vmax		fM [Hz]						
		125	250	500	1K	2K	4K	8K
LWA5 [dB(A)]	Ansaugseite / inlet side	-30	-8	-5	-6	-8	-10	-18
LWA6 / LWA8 [dB(A)]	Ausblasseite / outlet side	-27	-9	-7	-5	-6	-11	-16

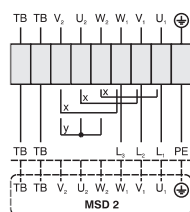
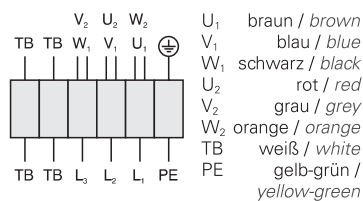
Düsenbeiwert / Calibration factor: $k_{10} = 98$

Ventilatorart / Fan Type	U [V]	f [Hz]	P [kW]	I _N [A]	n [min ⁻¹]	t _R [°F]	t _R [°C]	ΔI [%]	I _a /I _n	⚠	★	KG [kg]	KG [kg]
DKH_355-2_B.100.6HF IE	3 ~ 400	50	2.4	3.85	2750	104	40	18	4.4	IP54	01.006	20.5	29
DKH_355-F_B.100.6HF IE	400 D/Y	50	2.4 / 1.74	3.85 / 2.6	2750 / 2285	104	40	18	4.4	IP54	01.045	20.5	29

Schaltbild / Wiring diagram:

01.006

01.045

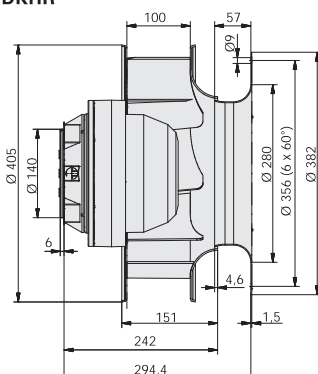


U₁ braun / brown
V₁ blau / blue
W₁ schwarz / black
U₂ rot / red
V₂ grau / grey
W₂ orange / orange
TB weiß / white
PE gelb-grün / yellow-green

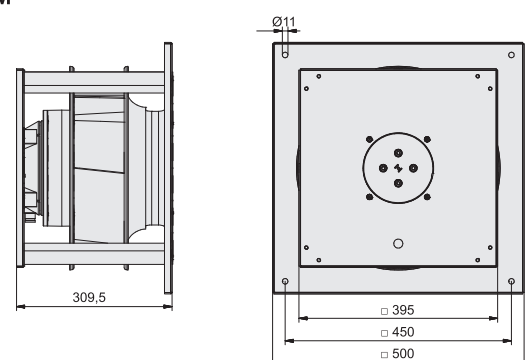
x Brücke für hohe Drehzahl / bridge for high speed
y Brücke für niedrige Drehzahl / bridge for low speed

Maße / Dimensions : [mm]

DKHR



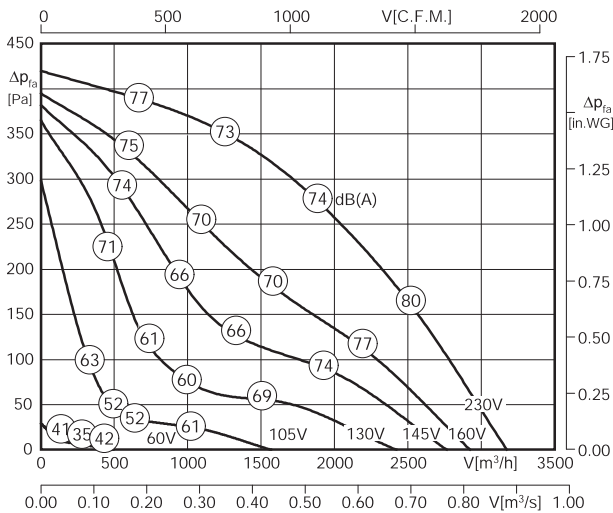
DKHM





- in allen Einbaulagen montierbar
- rückwärtsgekr. Hochleistungslaufrad
- 100% stufenlos regelbar
- kompakte, raumsparende Bauart
- mountable in all installation positions
- backward curved high efficiency impeller
- speed is 100% infinitely variable
- compact, space saving design

Technische Daten / Technical data:



Geräusche / Sound levels:

$L_{W(A)5} = L_{W(A)8} - 6 \text{ dB}$
 $L_{W(A)6} = L_{W(A)8} - 3 \text{ dB}$
 $L_{W(A)8}$ ist in der Luftleistungskennlinie dargestellt
is displayed in air performance curve

$L_{W(A)5\text{okt}} = L_{W(A)5} + L_{W(A)5\text{rel}}$
 $L_{W(A)6\text{okt}} = L_{W(A)6} + L_{W(A)6\text{rel}}$
 $L_{W(A)8\text{okt}} = L_{W(A)8} + L_{W(A)8\text{rel}}$

LWArel A-bewertet bei V=0,5*Vmax LWArel A-weighted at V=0,5*Vmax	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA5 [dB(A)] Ansaugseite / inlet side	-12	-8	-6	-6	-8	-10	-17
LWA6 / LWA8 [dB(A)] Ausblasseite / outlet side	-13	-11	-7	-5	-6	-10	-23

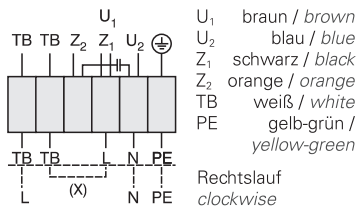
Düsenbeiwert / Calibration factor : $k_{10} = 100$

Ventilator typ / Fan Type	U [V]	f [Hz]	P [kW]	I _N [A]	n [min ⁻¹]	C [μF]	t _R [°F]	t _R [°C]	ΔI [%]	I _a /I _n	⚠	★	⚖ [kg] EKHR	⚖ [kg] EKHM
EKH_355-4_B.100.5DF	1 ~ 230	50	0.315	1.5	1355	6	140	60	-	2.7	IP54	01.024	7.5	18.5

60Hz-Daten siehe Seite 119 / 60Hz data please see page 119

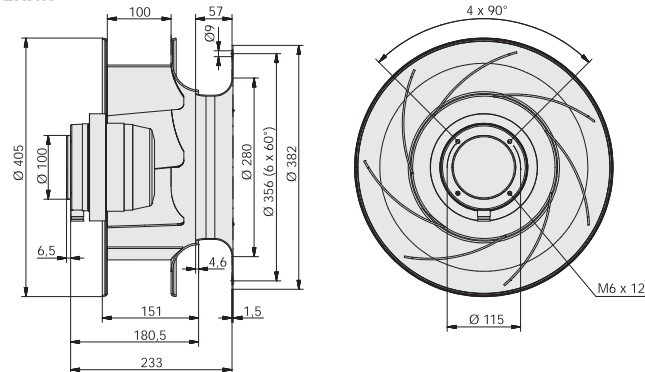
Schaltbild / Wiring diagram:

01.024

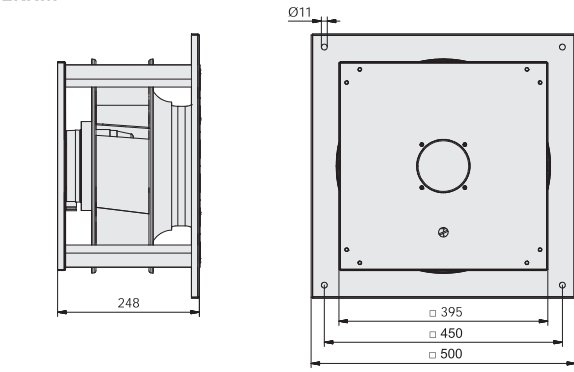


Maße / Dimensions : [mm]

EKHR



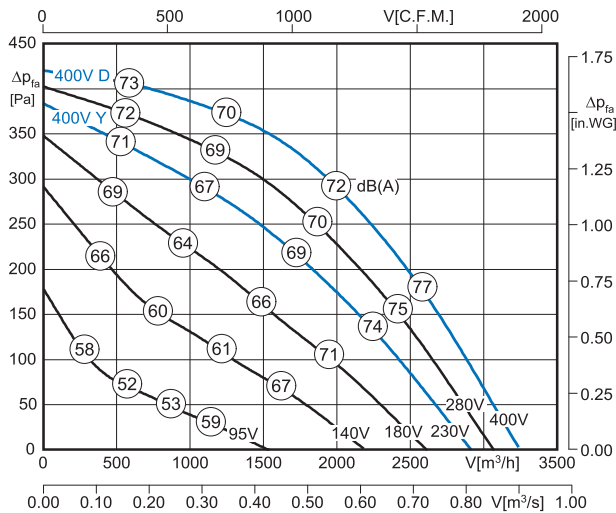
EKHM





- in allen Einbaulagen montierbar
- rückwärtsgekr. Hochleistungslaufrad
- 100% stufenlos regelbar
- kompakte, raumsparende Bauart
- mountable in all installation positions
- backward curved high efficiency impeller
- speed is 100% infinitely variable
- compact, space saving design

Technische Daten / Technical data:



Geräusche / Sound levels:

$$L_{W(A)5} = L_{W(A)8} - 6 \text{ dB}$$

$$L_{W(A)6} = L_{W(A)8} - 3 \text{ dB}$$

$L_{W(A)8}$ ist in der Luftleistungskennlinie dargestellt
is displayed in air performance curve

$$L_{W(A)5\text{okt}} = L_{W(A)5} + L_{W(A)5\text{rel}}$$

$$L_{W(A)6\text{okt}} = L_{W(A)6} + L_{W(A)6\text{rel}}$$

$$L_{W(A)8\text{okt}} = L_{W(A)8} + L_{W(A)8\text{rel}}$$

LWArel A-bewertet bei V=0,5*Vmax LWArel A-weighted at V=0,5*Vmax	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA5 [dB(A)] Ansaugseite / inlet side	-12	-8	-6	-6	-8	-10	-17
LWA6 / LWA8 [dB(A)] Ausblasseite / outlet side	-13	-11	-7	-5	-6	-10	-23

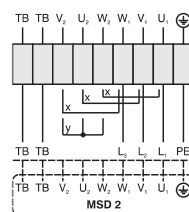
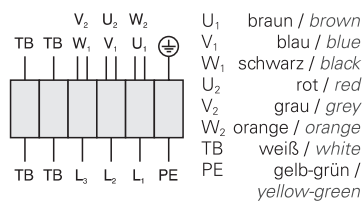
Düsenbeiwert / Calibration factor: $k_{10} = 100$

Ventilator typ / Fan Type	U [V]	f [Hz]	P [kW]	I _N [A]	n [min ⁻¹]	t _R [°F]	t _R [°C]	ΔI [%]	I _a /I _n	⚠	★	KG [kg] DKHR	KG [kg] DKHM
DKH_355-4_B.100.5FA	3 ~ 400	50	0.36	1.0	1390	140	60	-	4.1	IP54	01.006	9	18.2
DKH_355-G_B.100.5FA	400 D/Y	50	0.36 / 0.26	1.0 / 0.47	1390 / 1205	140	60	-	4.1	IP54	01.045	9	18.2

Schaltbild / Wiring diagram:

01.006

01.045

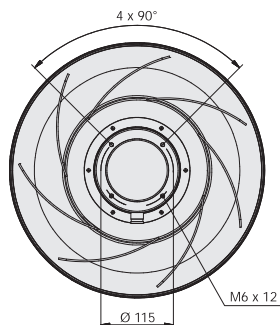
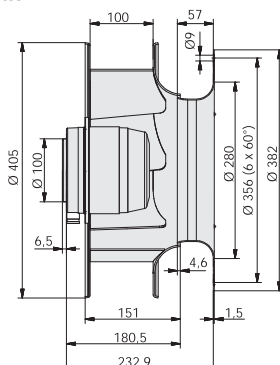


U₁ braun / brown
V₁ blau / blue
W₁ schwarz / black
U₂ rot / red
V₂ grau / grey
W₂ orange / orange
TB weiß / white
PE gelb-grün / yellow-green

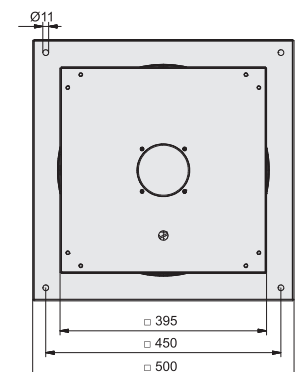
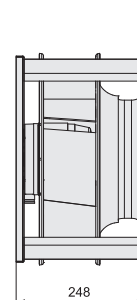
x Brücke für hohe Drehzahl / bridge for high speed
y Brücke für niedrige Drehzahl / bridge for low speed

Maße / Dimensions : [mm]

DKHR



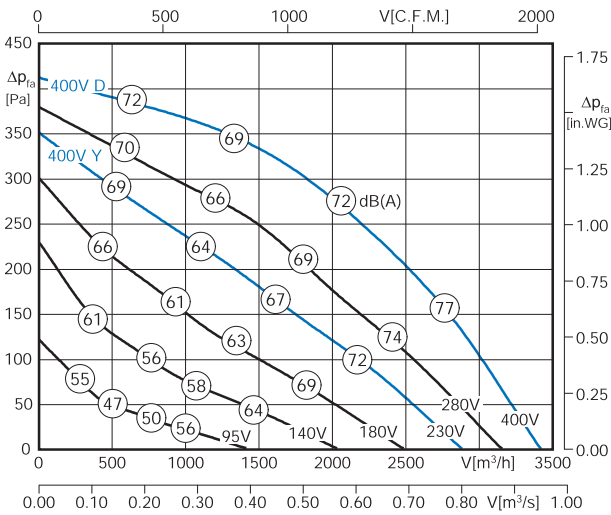
DKHM





- in allen Einbaulagen montierbar
• rückwärtsgekr. Hochleistungslaufrad
• 100% stufenlos regelbar
• kompakte, raumsparende Bauart
• mountable in all installation positions
• backward curved high efficiency impeller
• speed is 100% infinitely variable
• compact, space saving design

Technische Daten / Technical data:



Geräusche / Sound levels:

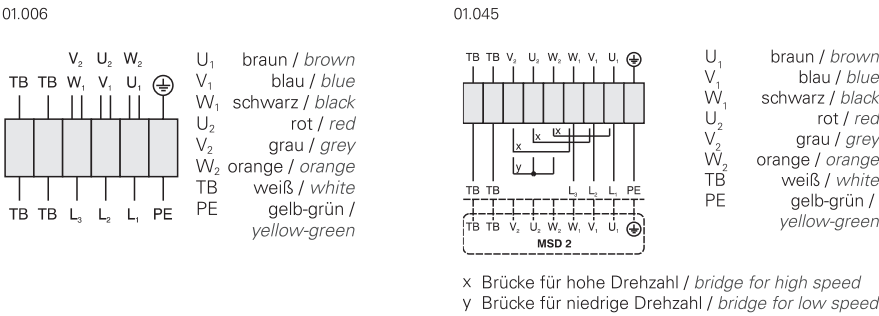
Equations for sound level calculations: Lw(A)5 = Lw(A)8 - 6 dB, Lw(A)6 = Lw(A)8 - 3 dB, etc.

Table with sound level data (LWA5, LWA6, LWA8) in dB(A) for different frequencies (125, 250, 500, 1K, 2K, 4K, 8K Hz).

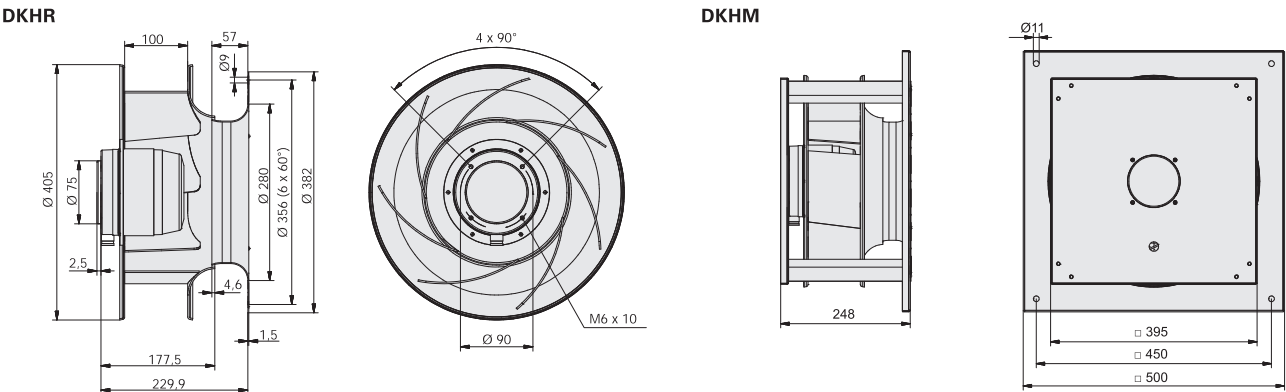
Düsenbeiwert / Calibration factor : k10 = 100

Table with technical specifications: Ventilator typ, U [V], f [Hz], P [kW], In [A], n [min-1], tr [°F], tr [°C], Delta I [%], Ia/In, IP54, 01.006, 6.2, 15.

Schaltbild / Wiring diagram:

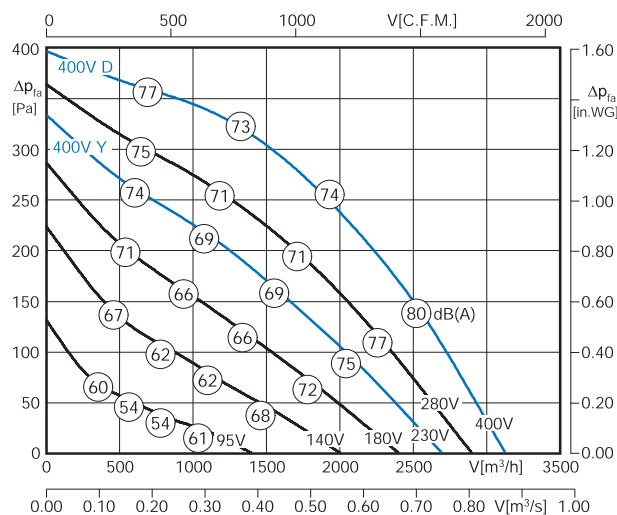


Maße / Dimensions : [mm]





- in allen Einbaulagen montierbar
 - rückwärtsgekr. Hochleistungslaufrad
 - 100% stufenlos regelbar
 - kompakte, raumsparende Bauart
- *mountable in all installation positions*
 - *backward curved high efficiency impeller*
 - *speed is 100% infinitely variable*
 - *compact, space saving design*

Technische Daten / Technical data:

Geräusche / Sound levels:

$$L_{W(A)5} = L_{W(A)8} - 6 \text{ dB}$$

$$L_{W(A)6} = L_{W(A)8} - 3 \text{ dB}$$

$L_{W(A)B}$ ist in der Luftleistungskennlinie dargestellt
is displayed in air performance curve





$$L_{W(A)5\text{okt}} = L_{W(A)5} + L_{W(A)5\text{rel}}$$

$$L_{W(A)6pkt} = L_{W(A)6} + L_{W(A)6rel}$$

$$L_{W(A)8pkt} = L_{W(A)8} + L_{W(A)8rel}$$

LWArel A-bewertet bei V=0,5*Vmax LWArel A-weighted at V=0,5*Vmax	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA5 [dB(A)] Ansaugseite / <i>inlet side</i>	-18	-14	-12	-12	-14	-16	-23
LWA6 / LWA8 [dB(A)] Ausblasseite / <i>outlet side</i>	-13	-11	-7	-5	-6	-10	-23

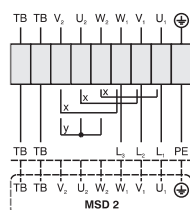
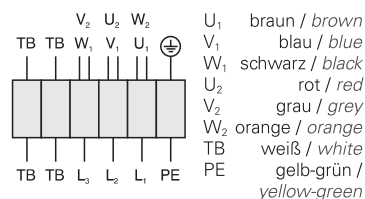
Düsenbeiwert / Calibration factor: $k_{10} = 100$

Ventilator typ / Fan Type	U [V]	f [Hz]	P [kW]	I _N [A]	n [min ⁻¹]	t _R [°F]	t _R [°C]	Δ I [%]	I ₀ /I _N			 [kg]	 [kg]
DKH_355-4_B.100.5DF	3 ~ 400	50	0.29	0.62	1310	158	70	-	3.5	IP54	01.006	7.5	18.2
DKH_355-G_B.100.5DF	400 D/Y	50	0.29 / 0.19	0.62 / 0.32	1310 / 1060	158	70	-	3.5	IP54	01.045	7.5	18.2

Schaltbild / Wiring diagram:

01.006

01.045

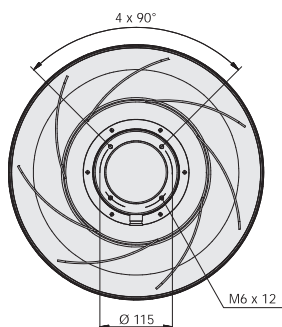
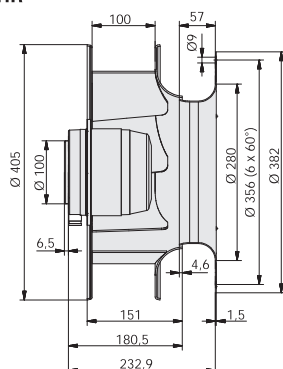


U ₁	braun / brown
V ₁	blau / blue
W ₁	schwarz / black
U ₂	rot / red
V ₂	grau / grey
W ₂	orange / orange
TB	weiß / white
PE	gelb-grün / yellow-green

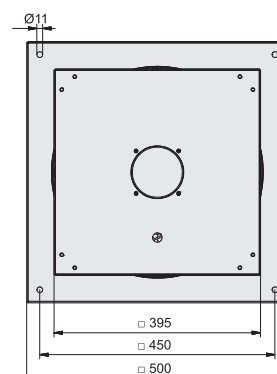
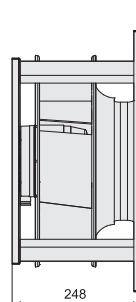
x Brücke für hohe Drehzahl / *bridge for high speed*
y Brücke für niedrige Drehzahl / *bridge for low speed*

Maße / Dimensions : [mm]

DKHR



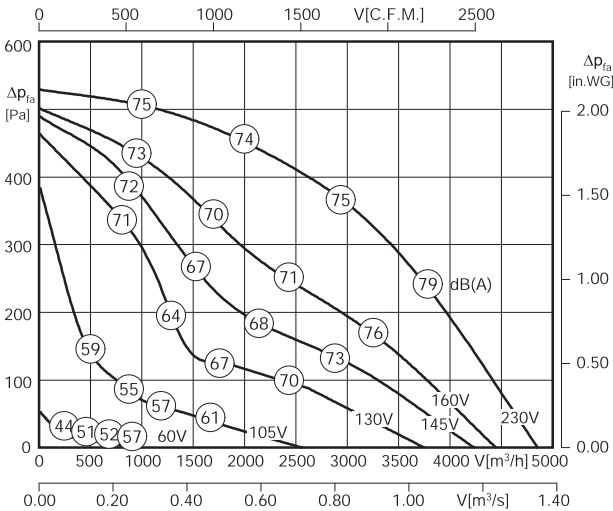
DKHM





- in allen Einbaulagen montierbar
- rückwärtsgekr. Hochleistungslaufrad
- 100% stufenlos regelbar
- kompakte, raumsparende Bauart
- mountable in all installation positions
- backward curved high efficiency impeller
- speed is 100% infinitely variable
- compact, space saving design

Technische Daten / Technical data:



Geräusche / Sound levels:

Equations for sound level calculations: Lw(A)5 = Lw(A)8 - 6 dB, Lw(A)6 = Lw(A)8 - 3 dB, etc.

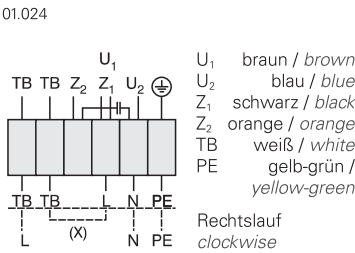
Table with sound level data (LWA5, LWA6, LWA8) in dB(A) for various frequencies (125, 250, 500, 1K, 2K, 4K, 8K Hz).

Düsenbeiwert / Calibration factor : k10 = 136

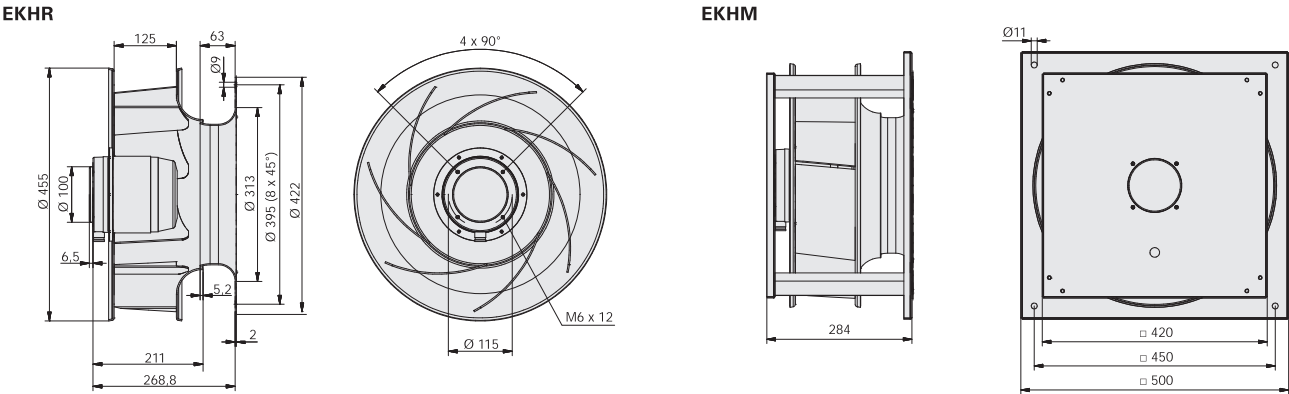
Table with technical specifications: Ventilator typ, U [V], f [Hz], P [kW], In [A], n [min-1], C [μF], tr [°F], tr [°C], ΔI [%], Ia/In, IP54, 01.024, weight [kg] for EKHR and EKHM.

60Hz-Daten siehe Seite 122 / 60Hz data please see page 122

Schaltbild / Wiring diagram:



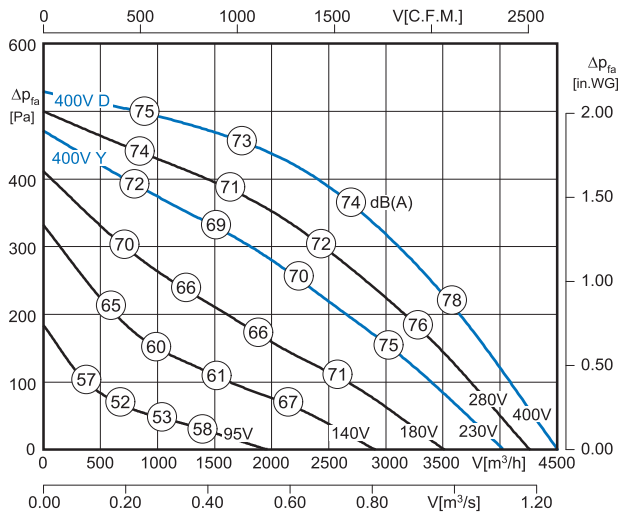
Maße / Dimensions : [mm]





- in allen Einbaulagen montierbar
- rückwärtsgekr. Hochleistungslaufrad
- 100% stufenlos regelbar
- kompakte, raumsparende Bauart
- mountable in all installation positions
- backward curved high efficiency impeller
- speed is 100% infinitely variable
- compact, space saving design

Technische Daten / Technical data:



Geräusche / Sound levels:

$$L_{W(A)5} = L_{W(A)8} - 6 \text{ dB}$$

$$L_{W(A)6} = L_{W(A)8} - 3 \text{ dB}$$

$L_{W(A)8}$ ist in der Luftleistungskennlinie dargestellt
is displayed in air performance curve

$$L_{W(A)5\text{okt}} = L_{W(A)5} + L_{W(A)5\text{rel}}$$

$$L_{W(A)6\text{okt}} = L_{W(A)6} + L_{W(A)6\text{rel}}$$

$$L_{W(A)8\text{okt}} = L_{W(A)8} + L_{W(A)8\text{rel}}$$

LWArel A-bewertet bei V=0,5*Vmax LWArel A-weighted at V=0,5*Vmax		fM [Hz]						
		125	250	500	1K	2K	4K	8K
LWA5 [dB(A)]	Ansaugseite / inlet side	-10	-8	-7	-6	-7	-11	-19
LWA6 / LWA8 [dB(A)]	Ausblasseite / outlet side	-11	-9	-7	-5	-7	-12	-18

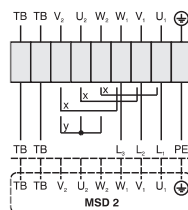
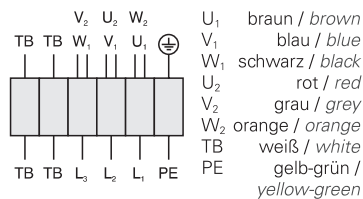
Düsenbeiwert / Calibration factor: $k_{10} = 130$

Ventilator typ / Fan Type	U [V]	f [Hz]	P [kW]	I _N [A]	n [min ⁻¹]	t _R [°F]	t _R [°C]	ΔI [%]	I _a /I _n	⚠	★	KG [kg] DKHR	KG [kg] DKHM
DKH_400-4_B.112.5FA	3 ~ 400	50	0.56	1.1	1370	158	70	6.5	4.8	IP54	01.006	9.6	18.5
DKH_400-G_B.112.5FA	400 D/Y	50	0.56 / 0.425	1.1 / 0.68	1370 / 1145	158	70	6.5	4.8	IP54	01.045	9.6	18.5

Schaltbild / Wiring diagram:

01.006

01.045

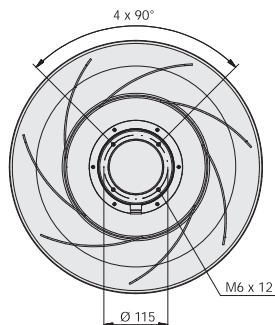
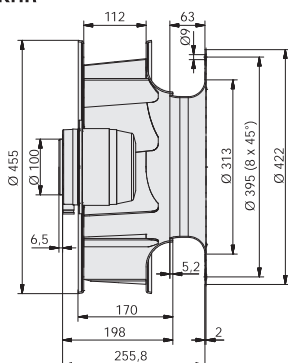


U₁ braun / brown
V₁ blau / blue
W₁ schwarz / black
U₂ rot / red
V₂ grau / grey
W₂ orange / orange
TB weiß / white
PE gelb-grün / yellow-green

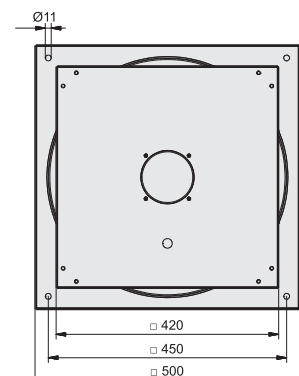
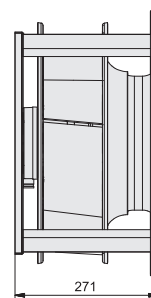
x Brücke für hohe Drehzahl / bridge for high speed
y Brücke für niedrige Drehzahl / bridge for low speed

Maße / Dimensions : [mm]

DKHR



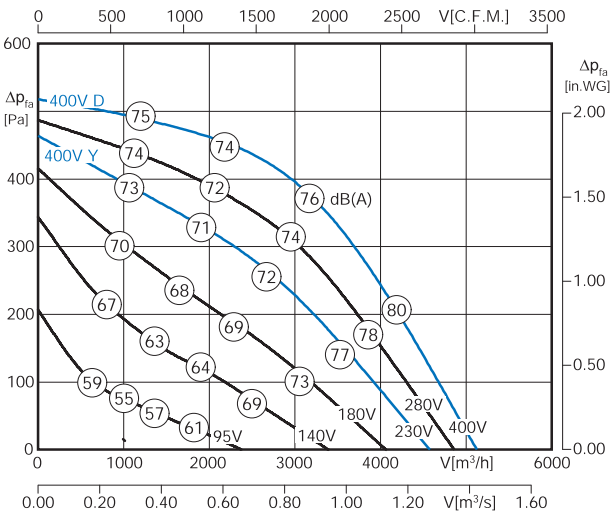
DKHM





- in allen Einbaulagen montierbar
- rückwärtsgekr. Hochleistungslaufrad
- 100% stufenlos regelbar
- kompakte, raumsparende Bauart
- mountable in all installation positions
- backward curved high efficiency impeller
- speed is 100% infinitely variable
- compact, space saving design

Technische Daten / Technical data:



Geräusche / Sound levels:

$L_{W(A)5} = L_{W(A)8} - 6 \text{ dB}$
 $L_{W(A)6} = L_{W(A)8} - 3 \text{ dB}$
 $L_{W(A)8}$ ist in der Luftleistungskennlinie dargestellt
is displayed in air performance curve

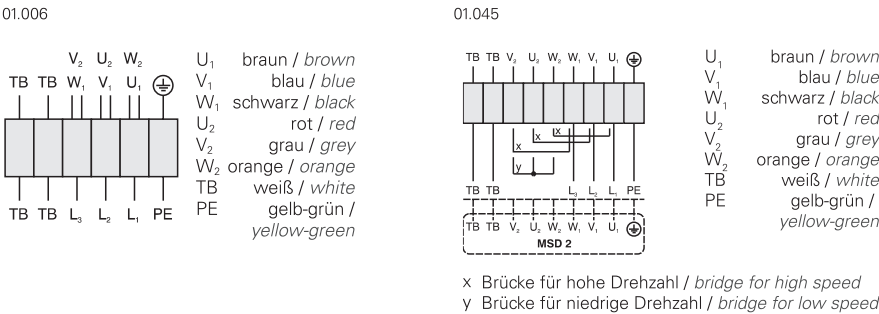
$L_{W(A)5\text{okt}} = L_{W(A)5} + L_{W(A)5\text{rel}}$
 $L_{W(A)6\text{okt}} = L_{W(A)6} + L_{W(A)6\text{rel}}$
 $L_{W(A)8\text{okt}} = L_{W(A)8} + L_{W(A)8\text{rel}}$

LWArel A-bewertet bei V=0,5*Vmax LWArel A-weighted at V=0,5*Vmax	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA5 [dB(A)] Ansaugseite / inlet side	-16	-14	-13	-12	-13	-17	-25
LWA6 / LWA8 [dB(A)] Ausblasseite / outlet side	-11	-9	-7	-5	-7	-12	-18

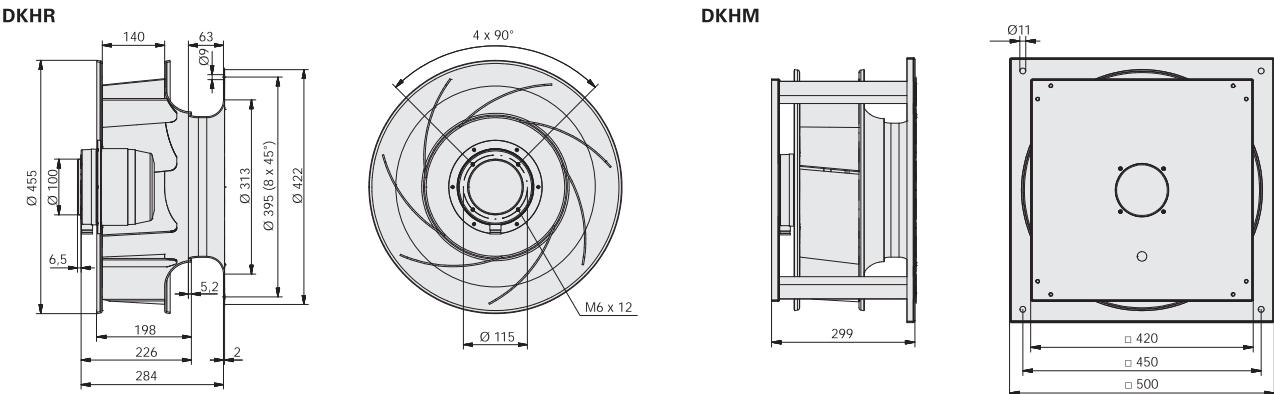
Düsenbeiwert / Calibration factor : $k_{10} = 130$

Ventilator typ / Fan Type	U [V]	f [Hz]	P [kW]	I _N [A]	n [min ⁻¹]	t _R [°F]	t _R [°C]	Δ I [%]	I _a /I _n	⚠	★	KG [kg] DKHR	KG [kg] DKHM
DKH_400-4_B.140.5HA	3 ~ 400	50	0.65	1.4	1385	158	70	5	4.3	IP54	01.006	12	18.5
DKH_400-G_B.140.5HA	400 D/Y	50	0.65 / 0.49	1.4 / 0.85	1385 / 1170	158	70	5	4.3	IP54	01.045	12	18.5

Schaltbild / Wiring diagram:



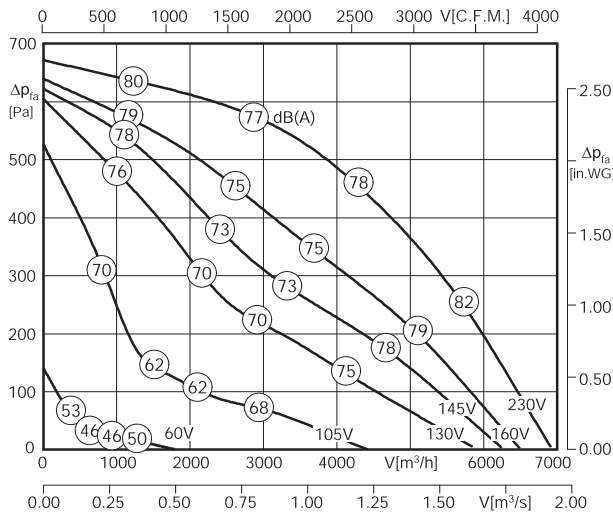
Maße / Dimensions : [mm]





- in allen Einbaulagen montierbar
- rückwärtsgekr. Hochleistungslaufrad
- 100% stufenlos regelbar
- kompakte, raumsparende Bauart
- mountable in all installation positions
- backward curved high efficiency impeller
- speed is 100% infinitely variable
- compact, space saving design

Technische Daten / Technical data:



Geräusche / Sound levels:

$$L_{W(A)5} = L_{W(A)8} - 6 \text{ dB}$$

$$L_{W(A)6} = L_{W(A)8} - 3 \text{ dB}$$

$L_{W(A)8}$ ist in der Luftleistungskennlinie dargestellt
is displayed in air performance curve

$$L_{W(A)5\text{okt}} = L_{W(A)5} + L_{W(A)5\text{rel}}$$

$$L_{W(A)6\text{okt}} = L_{W(A)6} + L_{W(A)6\text{rel}}$$

$$L_{W(A)8\text{okt}} = L_{W(A)8} + L_{W(A)8\text{rel}}$$

LWArel A-bewertet bei V=0,5*Vmax LWArel A-weighted at V=0,5*Vmax	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA5 [dB(A)] Ansaugseite / inlet side	-12	-8	-7	-6	-6	-12	-18
LWA6 / LWA8 [dB(A)] Ausblasseite / outlet side	-12	-9	-7	-5	-7	-11	-18

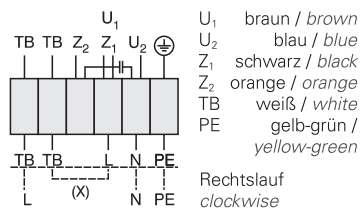
Düsenbeiwert / Calibration factor : $k_{10} = 161$

Ventilatorart / Fan Type	U [V]	f [Hz]	P [kW]	I _N [A]	n [min ⁻¹]	C [μF]	t _R [°F]	t _R [°C]	ΔI [%]	I _a /I _n	⚠	★	⚖ [kg] EKHR	⚖ [kg] EKHM
EKH_450-4_B.125.6FA	1 ~ 230	50	1.04	4.85	1385	20	140	60	30	3.4	IP54	01.024	17.5	37.5

60Hz-Daten siehe Seite 125 / 60Hz data please see page 125

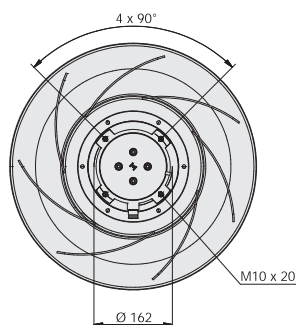
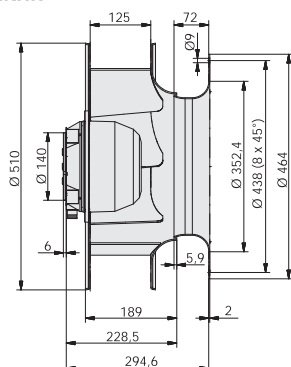
Schaltbild / Wiring diagram:

01.024

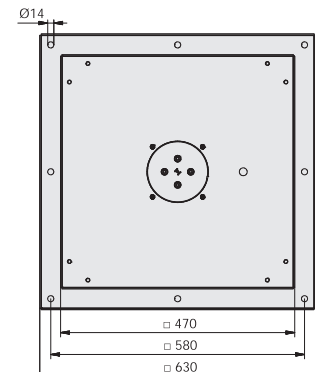
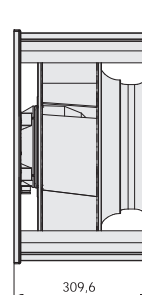


Maße / Dimensions : [mm]

EKHR



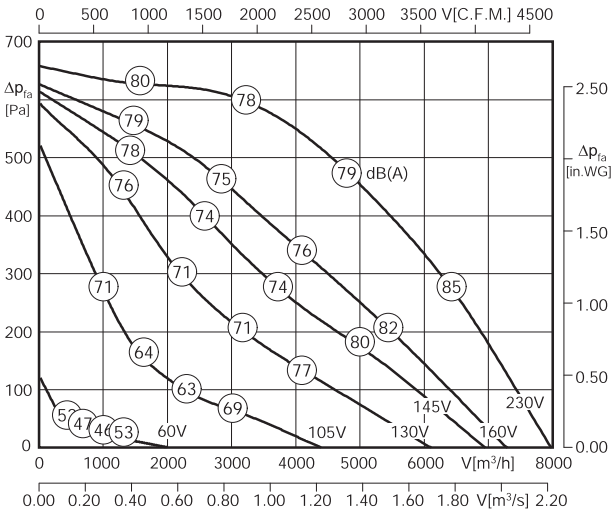
EKHM





- in allen Einbaulagen montierbar
- rückwärtsgekr. Hochleistungslaufrad
- 100% stufenlos regelbar
- kompakte, raumsparende Bauart
- mountable in all installation positions
- backward curved high efficiency impeller
- speed is 100% infinitely variable
- compact, space saving design

Technische Daten / Technical data:



Geräusche / Sound levels:

L_W(A)5 = L_W(A)8 - 6 dB
L_W(A)6 = L_W(A)8 - 3 dB
L_W(A)8 ist in der Luftleistungskennlinie dargestellt

L_W(A)5okt = L_W(A)5 + L_W(A)5rel
L_W(A)6okt = L_W(A)6 + L_W(A)6rel
L_W(A)8okt = L_W(A)8 + L_W(A)8rel

Table with sound power level data (LWA5, LWA6, LWA8) in dB(A) for different frequencies (125, 250, 500, 1K, 2K, 4K, 8K Hz) and fan types (EKHR, EKHM).

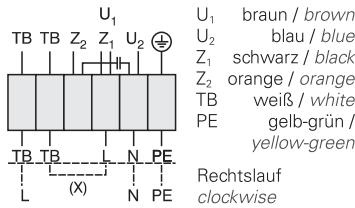
Düsenbeiwert / Calibration factor : k_10 = 153

Table with technical specifications: Ventilatortyp / Fan Type, U [V], f [Hz], P [kW], I_N [A], n [min^-1], C [μF], t_R [°F], t_R [°C], ΔI [%], I_a/I_n, IP54, 01.024, weight [kg] for EKHR and EKHM.

60Hz-Daten siehe Seite 126 / 60Hz data please see page 126

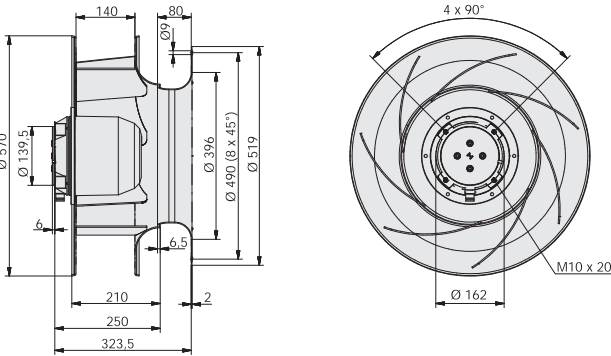
Schaltbild / Wiring diagram:

01.024

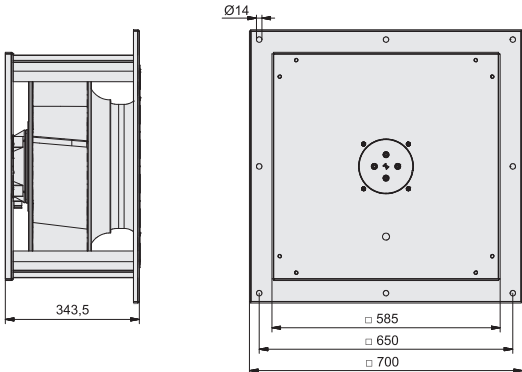


Maße / Dimensions : [mm]

EKHR



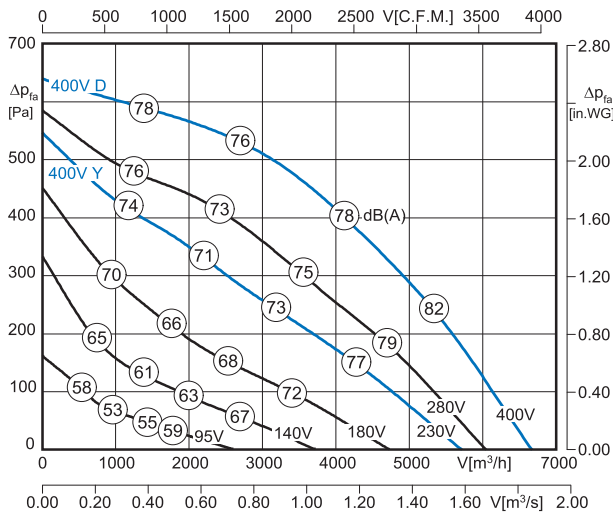
EKHM





- in allen Einbaulagen montierbar
- rückwärtsgekr. Hochleistungslaufrad
- 100% stufenlos regelbar
- kompakte, raumsparende Bauart
- mountable in all installation positions
- backward curved high efficiency impeller
- speed is 100% infinitely variable
- compact, space saving design

Technische Daten / Technical data:



Geräusche / Sound levels:

$$L_{W(A)5} = L_{W(A)8} - 6 \text{ dB}$$

$$L_{W(A)6} = L_{W(A)8} - 3 \text{ dB}$$

$L_{W(A)8}$ ist in der Luftleistungskennlinie dargestellt
is displayed in air performance curve

$$L_{W(A)5\text{okt}} = L_{W(A)5} + L_{W(A)5\text{rel}}$$

$$L_{W(A)6\text{okt}} = L_{W(A)6} + L_{W(A)6\text{rel}}$$

$$L_{W(A)8\text{okt}} = L_{W(A)8} + L_{W(A)8\text{rel}}$$

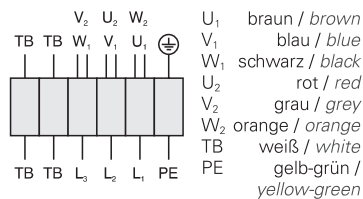
LWArel A-bewertet bei $V=0,5 \cdot V_{\text{max}}$ LWArel A-weighted at $V=0,5 \cdot V_{\text{max}}$	f [Hz]						
	125	250	500	1K	2K	4K	8K
LWA5 [dB(A)] Ansaugseite / inlet side	-11	-9	-8	-6	-6	-9	-21
LWA6 / LWA8 [dB(A)] Ausblasseite / outlet side	-11	-10	-7	-5	-7	-10	-22

Düsenbeiwert / Calibration factor: $k_{10} = 160$

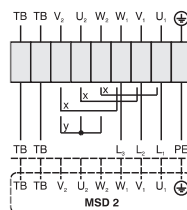
Ventilator typ / Fan Type	U [V]	f [Hz]	P [kW]	I _N [A]	n [min ⁻¹]	t _R [°F]	t _R [°C]	ΔI [%]	I _a /I _n	⚠	★	KG [kg] DKHR	KG [kg] DKHM
DKH_450-4_B.125.5HA	3 ~ 400	50	0.91	1.7	1320	122	50	-	5.5	IP54	01.006	13	31.5
DKH_450-G_B.125.5HA	400 D/Y	50	0.91 / 0.61	1.7 / 1.0	1320 / 1010	122	50	-	5.5	IP54	01.045	13	31.5

Schaltbild / Wiring diagram:

01.006



01.045

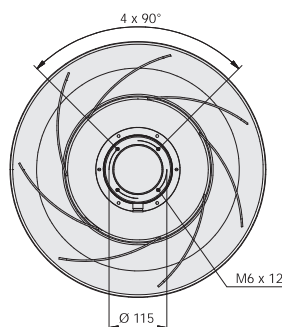
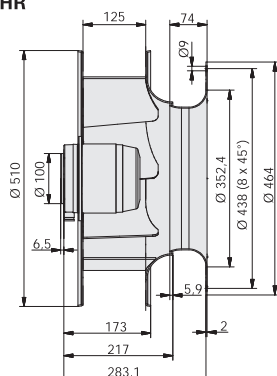


U₁ braun / brown
V₁ blau / blue
W₁ schwarz / black
U₂ rot / red
V₂ grau / grey
W₂ orange / orange
TB weiß / white
PE gelb-grün / yellow-green

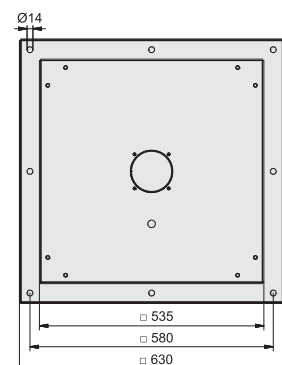
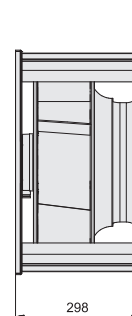
x Brücke für hohe Drehzahl / bridge for high speed
y Brücke für niedrige Drehzahl / bridge for low speed

Maße / Dimensions : [mm]

DKHR



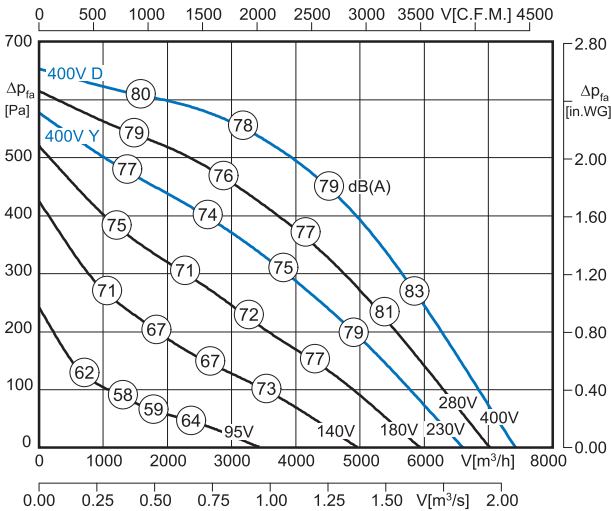
DKHM





- in allen Einbaulagen montierbar
- rückwärtsgekr. Hochleistungslaufrad
- 100% stufenlos regelbar
- kompakte, raumsparende Bauart
- mountable in all installation positions
- backward curved high efficiency impeller
- speed is 100% infinitely variable
- compact, space saving design

Technische Daten / Technical data:



Geräusche / Sound levels:

LWA5 = LWA8 - 6 dB
LWA6 = LWA8 - 3 dB
LWA8 ist in der Luftleistungskennlinie dargestellt

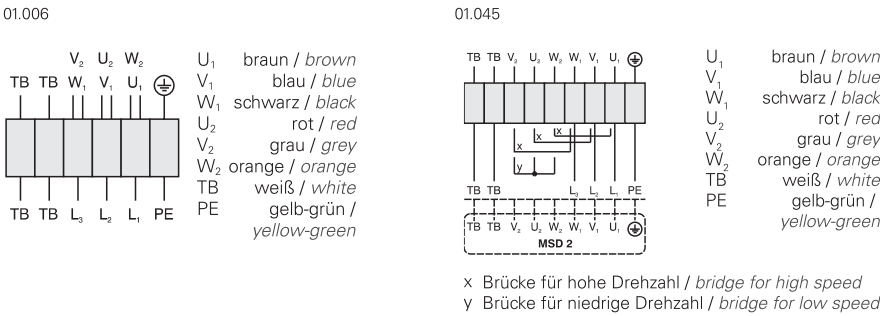
LWA5okt = LWA5 + LWA5rel
LWA6okt = LWA6 + LWA6rel
LWA8okt = LWA8 + LWA8rel

Table with 2 rows of sound level data (LWA5, LWA6, LWA8) and 8 columns for frequency (125, 250, 500, 1K, 2K, 4K, 8K Hz).

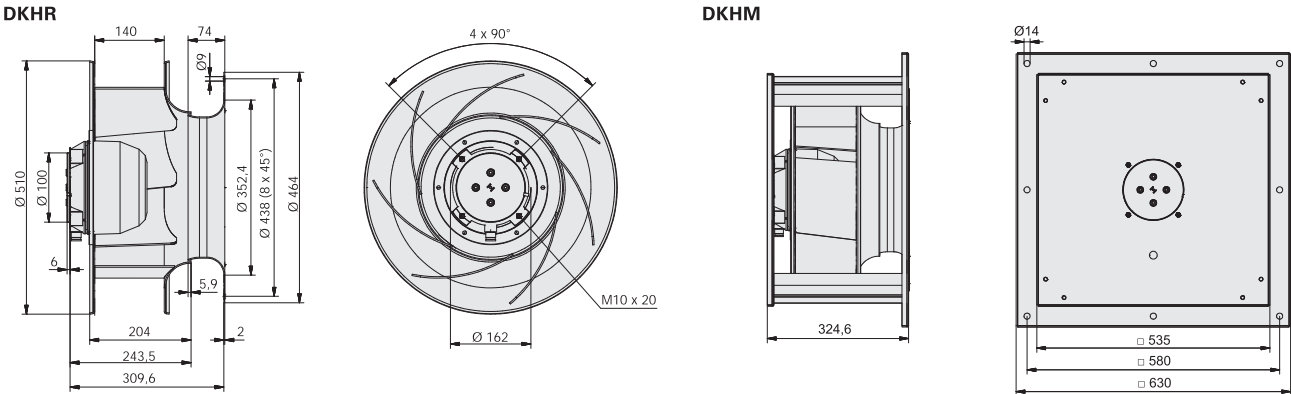
Düsenbeiwert / Calibration factor : k10 = 162

Table with 14 columns: Ventilatortyp / Fan Type, U [V], f [Hz], P [kW], IN [A], n [min-1], tr [°F], tr [°C], ΔI [%], Ia/In, IP, star symbol, weight DKHR [kg], weight DKHM [kg].

Schaltbild / Wiring diagram:



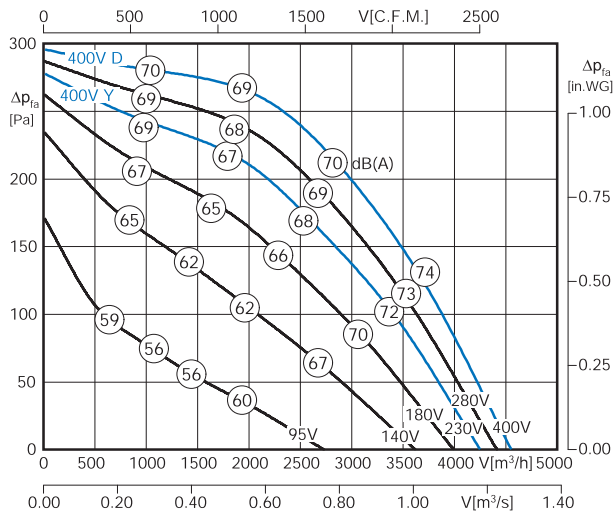
Maße / Dimensions : [mm]





- in allen Einbaulagen montierbar
- rückwärtsgekr. Hochleistungslaufrad
- 100% stufenlos regelbar
- kompakte, raumsparende Bauart
- mountable in all installation positions
- backward curved high efficiency impeller
- speed is 100% infinitely variable
- compact, space saving design

Technische Daten / Technical data:



Geräusche / Sound levels:

$$L_{W(A)5} = L_{W(A)8} - 6 \text{ dB}$$

$$L_{W(A)6} = L_{W(A)8} - 3 \text{ dB}$$

$L_{W(A)8}$ ist in der Luftleistungskennlinie dargestellt
is displayed in air performance curve

$$L_{W(A)5\text{okt}} = L_{W(A)5} + L_{W(A)5\text{rel}}$$

$$L_{W(A)6\text{okt}} = L_{W(A)6} + L_{W(A)6\text{rel}}$$

$$L_{W(A)8\text{okt}} = L_{W(A)8} + L_{W(A)8\text{rel}}$$

LWArel A-bewertet bei V=0,5*Vmax LWArel A-weighted at V=0,5*Vmax	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA5 [dB(A)] Ansaugseite / inlet side	-17	-15	-14	-12	-12	-15	-27
LWA6 / LWA8 [dB(A)] Ausblasseite / outlet side	-11	-10	-7	-5	-7	-10	-22

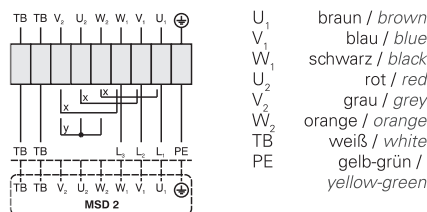
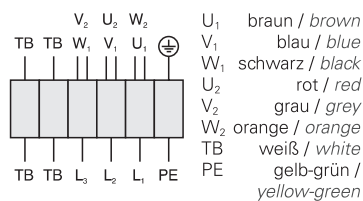
Düsenbeiwert / Calibration factor: $k_{10} = 160$

Ventilatorart / Fan Type	U [V]	f [Hz]	P [kW]	I _N [A]	n [min ⁻¹]	t _R [°F]	t _R [°C]	ΔI [%]	I _a /I _n	⚠	★	KG [kg] DKHR	KG [kg] DKHM
DKH_450-6_B.125.5HA	3 ~ 400	50	0.38	1.1	945	158	70	-	3.8	IP54	01.006	12	31.5
DKH_450-H_B.125.5HA	400 D/Y	50	0.38 / 0.27	1.1 / 0.5	945 / 855	158	70	-	3.8	IP54	01.045	12	31.5

Schaltbild / Wiring diagram:

01.006

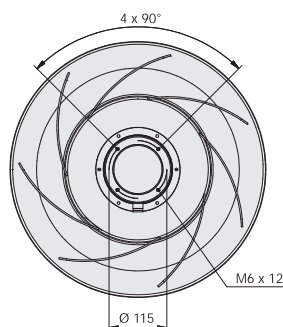
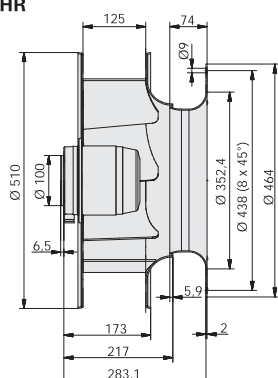
01.045



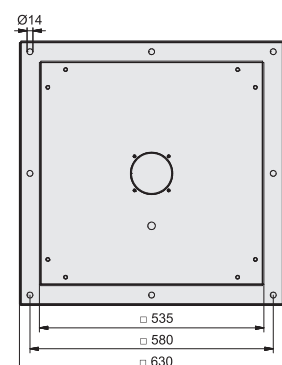
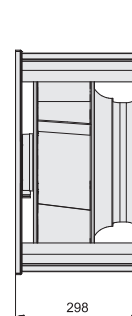
x Brücke für hohe Drehzahl / bridge for high speed
y Brücke für niedrige Drehzahl / bridge for low speed

Maße / Dimensions : [mm]

DKHR



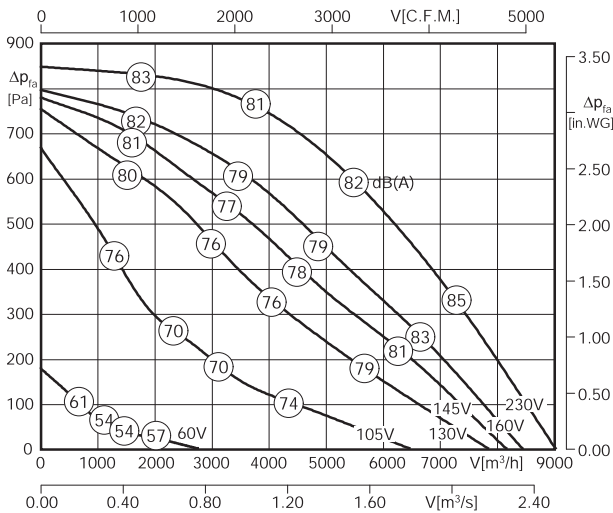
DKHM





- in allen Einbaulagen montierbar
- rückwärtsgekr. Hochleistungslaufrad
- 100% stufenlos regelbar
- kompakte, raumsparende Bauart
- mountable in all installation positions
- backward curved high efficiency impeller
- speed is 100% infinitely variable
- compact, space saving design

Technische Daten / Technical data:



Geräusche / Sound levels:

$L_{W(A)5} = L_{W(A)8} - 6 \text{ dB}$
 $L_{W(A)6} = L_{W(A)8} - 3 \text{ dB}$
 $L_{W(A)8}$ ist in der Luftleistungskennlinie dargestellt
is displayed in air performance curve

$L_{W(A)5\text{okt}} = L_{W(A)5} + L_{W(A)5\text{rel}}$
 $L_{W(A)6\text{okt}} = L_{W(A)6} + L_{W(A)6\text{rel}}$
 $L_{W(A)8\text{okt}} = L_{W(A)8} + L_{W(A)8\text{rel}}$

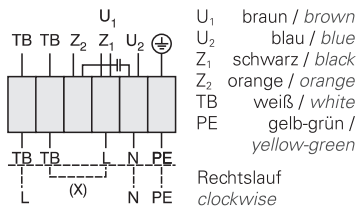
LWArel A-bewertet bei V=0,5*Vmax LWArel A-weighted at V=0,5*Vmax	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA5 [dB(A)] Ansaugseite / inlet side	-13	-8	-7	-5	-7	-12	-19
LWA6 / LWA8 [dB(A)] Ausblasseite / outlet side	-11	-9	-6	-5	-8	-12	-21

Düsenbeiwert / Calibration factor : $k_{10} = 196$

Ventilator typ / Fan Type	U [V]	f [Hz]	P [kW]	I _N [A]	n [min ⁻¹]	C [μF]	t _R [°F]	t _R [°C]	ΔI [%]	I _a /I _n	⚠	★	⬆ [kg] EKHR	⬆ [kg] EKHM
EKH_500-4_B.140.6LA	1 ~ 230	50	1.69	7.6	1385	40	122	50	-	3.6	IP54	01.024	275	52

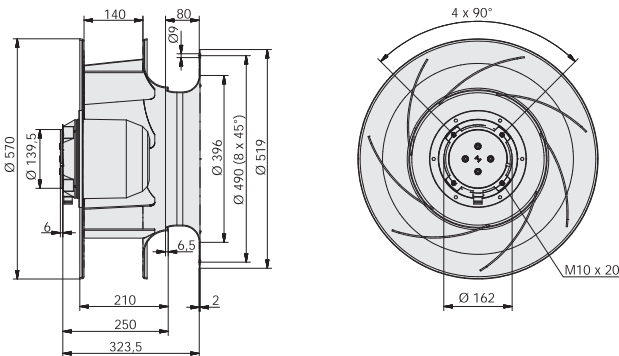
Schaltbild / Wiring diagram:

01.024

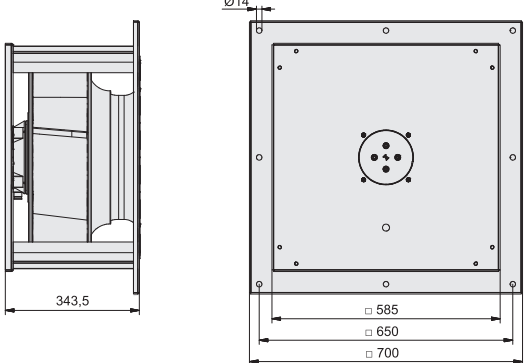


Maße / Dimensions : [mm]

EKHR



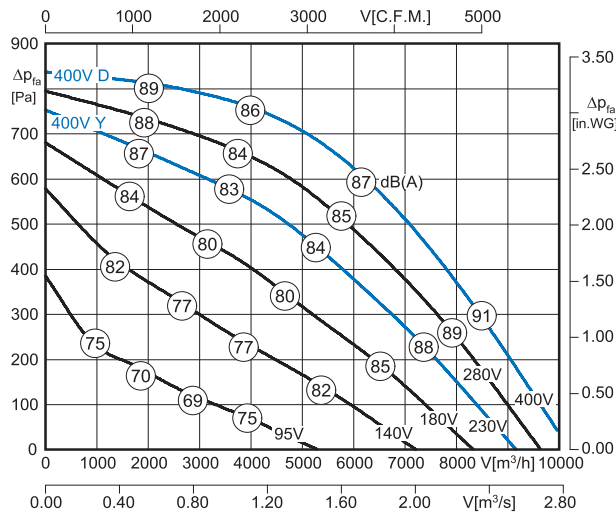
EKHM





- in allen Einbaulagen montierbar
- rückwärtsgekr. Hochleistungslaufrad
- 100% stufenlos regelbar
- kompakte, raumsparende Bauart
- mountable in all installation positions
- backward curved high efficiency impeller
- speed is 100% infinitely variable
- compact, space saving design

Technische Daten / Technical data:



Geräusche / Sound levels:

$$L_{W(A)5} = L_{W(A)8} - 6 \text{ dB}$$

$$L_{W(A)6} = L_{W(A)8} - 3 \text{ dB}$$

$L_{W(A)8}$ ist in der Luftleistungskennlinie dargestellt
is displayed in air performance curve

$$L_{W(A)5\text{okt}} = L_{W(A)5} + L_{W(A)5\text{rel}}$$

$$L_{W(A)6\text{okt}} = L_{W(A)6} + L_{W(A)6\text{rel}}$$

$$L_{W(A)8\text{okt}} = L_{W(A)8} + L_{W(A)8\text{rel}}$$

LWArel A-bewertet bei V=0,5*Vmax LWArel A-weighted at V=0,5*Vmax	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA5 [dB(A)] Ansaugseite / inlet side	-13	-8	-7	-5	-7	-12	-19
LWA6 / LWA8 [dB(A)] Ausblasseite / outlet side	-11	-9	-6	-5	-8	-12	-21

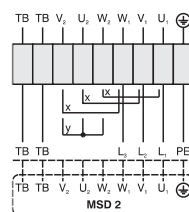
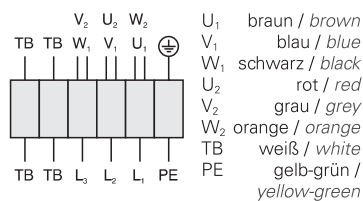
Düsenbeiwert / Calibration factor : $k_{10} = 202$

Ventilator typ / Fan Type	U [V]	f [Hz]	P [kW]	I _N [A]	n [min ⁻¹]	t _R [°F]	t _R [°C]	ΔI [%]	I _a /I _n	⚠	★	KG [kg] DKHR	KG [kg] DKHM
DKH_500-4_B.160.6LA	3 ~ 400	50	1.9	3.4	1390	158	70	19	5.0	IP54	01.006	27.5	53
DKH_500-G_B.160.6LA	400 D/Y	50	1.9 / 1.47	3.4 / 2.2	1390 / 1210	158	70	19	5.0	IP54	01.045	27.5	53

Schaltbild / Wiring diagram:

01.006

01.045

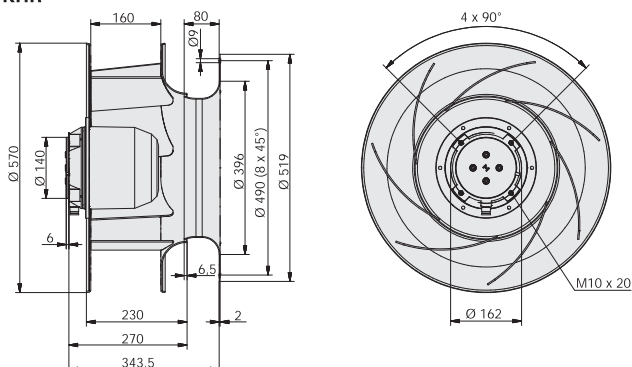


U₁ braun / brown
V₁ blau / blue
W₁ schwarz / black
U₂ rot / red
V₂ grau / grey
W₂ orange / orange
TB weiß / white
PE gelb-grün / yellow-green

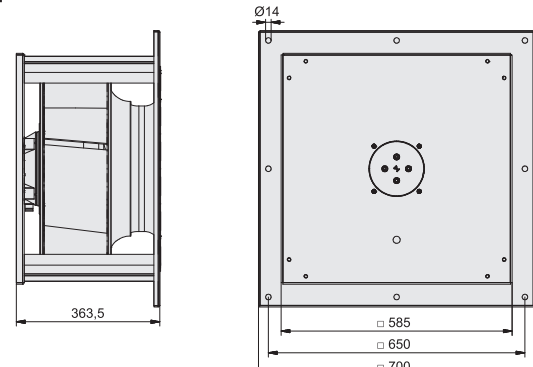
x Brücke für hohe Drehzahl / bridge for high speed
y Brücke für niedrige Drehzahl / bridge for low speed

Maße / Dimensions : [mm]

DKHR



DKHM









-
- The chart displays the performance of the 400V D and 400V Y compressor models. The left y-axis represents the pressure difference Δp_{fa} in Pa (0 to 400), and the right y-axis represents Δp_{fa} in in. WG (0.00 to 1.50). The bottom x-axis shows volumetric flow rate V in m^3/s (0.00 to 2.00), and the top x-axis shows V in m^3/h (0 to 4000). The chart includes efficiency curves (d(B)) and power curves (W) for various pressure ratios (95V, 140V, 180V, 230V, 280V, 400V). The 400V D model is represented by a blue line, and the 400V Y model is represented by a black line. Efficiency values are indicated by numbers in circles along the curves.

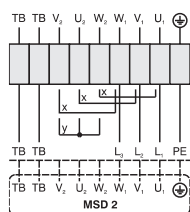
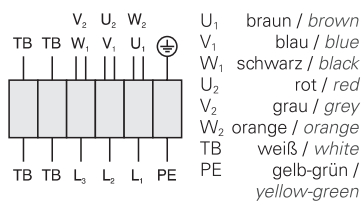
LWArel A-bewertet bei $V=0,5 \cdot V_{\max}$ LWArel A-weighted at $V=0,5 \cdot V_{\max}$	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA5 [dB(A)] Ansaugseite / <i>inlet side</i>	-13	-8	-7	-5	-7	-12	-19
LWA6 / LWA8 [dB(A)] Ausblasseite / <i>outlet side</i>	-11	-9	-6	-5	-8	-12	-21

Düsenbeiwert / *Calibration factor*: $k_{10} = 205$

Ventilator typ / <i>Fan Type</i>	U [V]	f [Hz]	P [kW]	I _n [A]	n [min ⁻¹]	t _a [°F]	t _a [°C]	Δ I [%]	I _e /I _n			 [kg] DKHR	 [kg] DKHM
DKH_500-6_B.140.6DF	3 ~ 400	50	0.51	1.12	890	158	70	-	3.4	IP54	01.006	17.5	42
DKH_500-H_B.140.6DF	400 D/Y	50	0.51 / 0.34	1.12 / 0.55	890 / 730	158	70	-	3.4	IP54	01.045	17.5	42

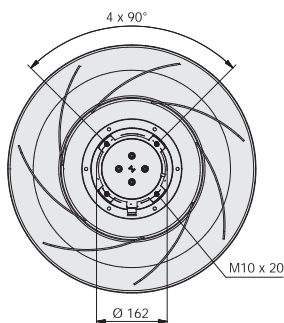
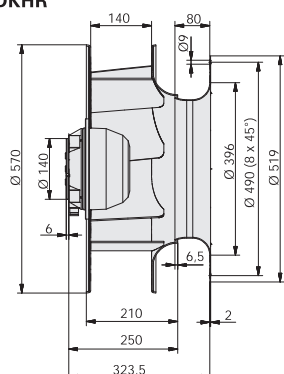
60Hz-Daten siehe Seite 130 / 60Hz data please see page 130

01.045

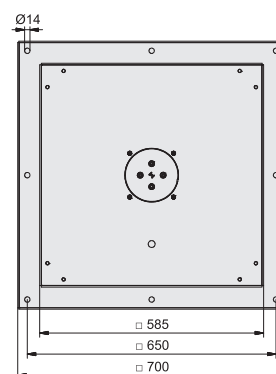
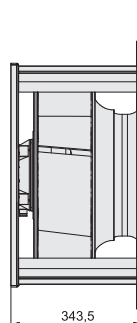


x Brücke für hohe Drehzahl / *bridge for high speed*
y Brücke für niedrige Drehzahl / *bridge for low speed*

DKHR



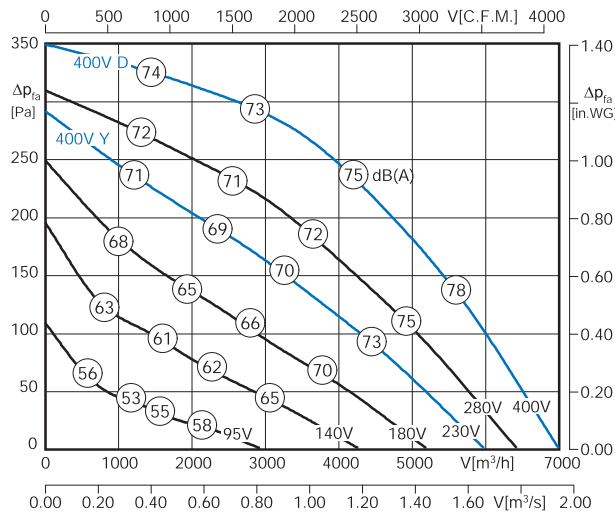
DKHM





- in allen Einbaulagen montierbar
- rückwärtsgekr. Hochleistungslaufrad
- 100% stufenlos regelbar
- kompakte, raumsparende Bauart
- mountable in all installation positions
- backward curved high efficiency impeller
- speed is 100% infinitely variable
- compact, space saving design

Technische Daten / Technical data:



Geräusche / Sound levels:

$$L_{W(A)5} = L_{W(A)8} - 6 \text{ dB}$$

$$L_{W(A)6} = L_{W(A)8} - 3 \text{ dB}$$

$L_{W(A)8}$ ist in der Luftleistungskennlinie dargestellt
is displayed in air performance curve

$$L_{W(A)5\text{okt}} = L_{W(A)5} + L_{W(A)5\text{rel}}$$

$$L_{W(A)6\text{okt}} = L_{W(A)6} + L_{W(A)6\text{rel}}$$

$$L_{W(A)8\text{okt}} = L_{W(A)8} + L_{W(A)8\text{rel}}$$

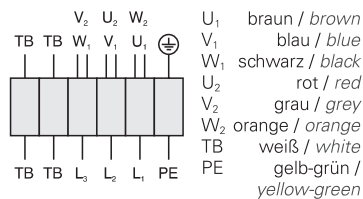
LWArel A-bewertet bei V=0,5*Vmax LWArel A-weighted at V=0,5*Vmax	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA5 [dB(A)] Ansaugseite / inlet side	-13	-8	-7	-5	-7	-12	-19
LWA6 / LWA8 [dB(A)] Ausblasseite / outlet side	-11	-9	-6	-5	-8	-12	-21

Düsenbeiwert / Calibration factor : $k_{10} = 205$

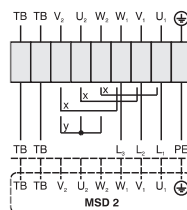
Ventilatorart / Fan Type	U [V]	f [Hz]	P [kW]	I _N [A]	n [min ⁻¹]	t _R [°F]	t _R [°C]	ΔI [%]	I _a /I _n	⚠	★	KG [kg] DKHR	KG [kg] DKHM
DKH_500-6_B.160.6DF	3 ~ 400	50	0.53	1.15	870	158	70	-	3.3	IP54	01.006	16.5	44
DKH_500-H_B.160.6DF	400 D/Y	50	0.53 / 0.34	1.15 / 0.60	870 / 690	158	70	-	3.3	IP54	01.045	16.5	44

Schaltbild / Wiring diagram:

01.006



01.045



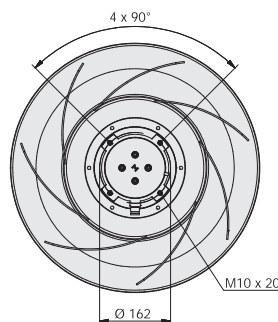
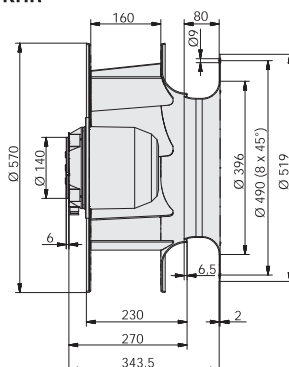
U₁ braun / brown
V₁ blau / blue
W₁ schwarz / black
U₂ rot / red
V₂ grau / grey
W₂ orange / orange
TB weiß / white
PE gelb-grün / yellow-green

x Brücke für hohe Drehzahl / bridge for high speed
y Brücke für niedrige Drehzahl / bridge for low speed

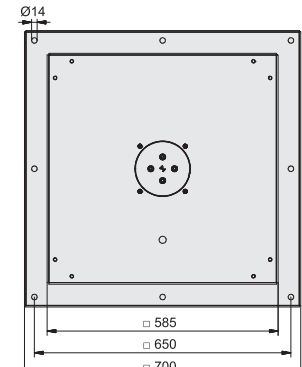
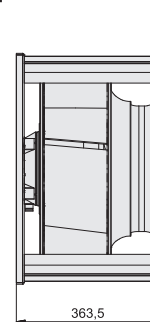
60Hz-Daten siehe Seite 131 / 60Hz data please see page 131

Maße / Dimensions : [mm]

DKHR



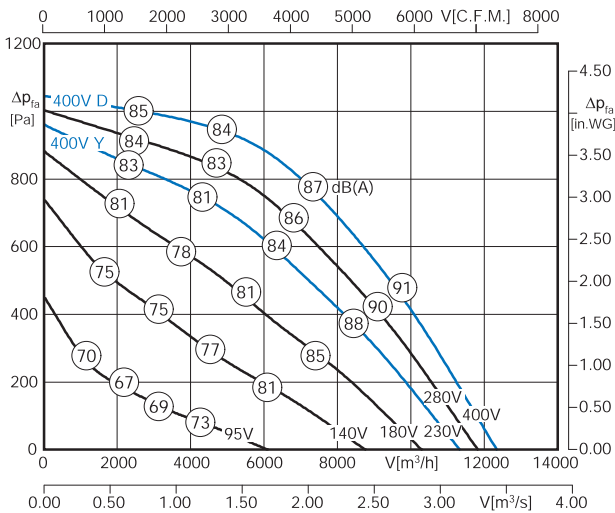
DKHM





- in allen Einbaulagen montierbar
• rückwärtsgekr. Hochleistungslaufrad
• 100% stufenlos regelbar
• kompakte, raumsparende Bauart
• mountable in all installation positions
• backward curved high efficiency impeller
• speed is 100% infinitely variable
• compact, space saving design

Technische Daten / Technical data:



Geräusche / Sound levels:

Lw(A)5 = Lw(A)8 - 6 dB
Lw(A)6 = Lw(A)8 - 3 dB
Lw(A)8 ist in der Luftleistungskennlinie dargestellt

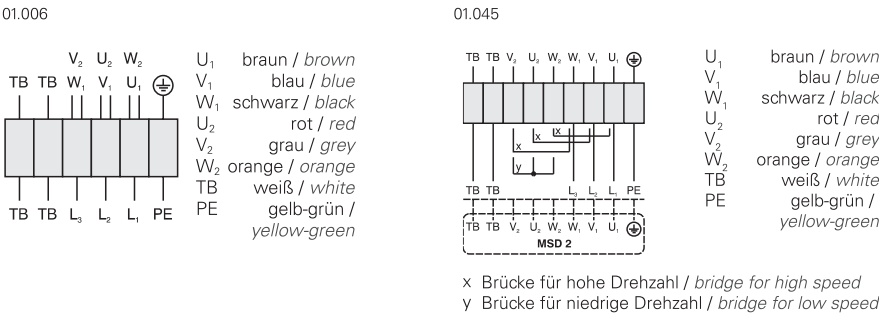
Lw(A)5okt = Lw(A)5 + Lw(A)5rel
Lw(A)6okt = Lw(A)6 + Lw(A)6rel
Lw(A)8okt = Lw(A)8 + Lw(A)8rel

Table with 2 rows and 8 columns: fM [Hz] (125, 250, 500, 1K, 2K, 4K, 8K) and sound level values for LWA5 and LWA6.

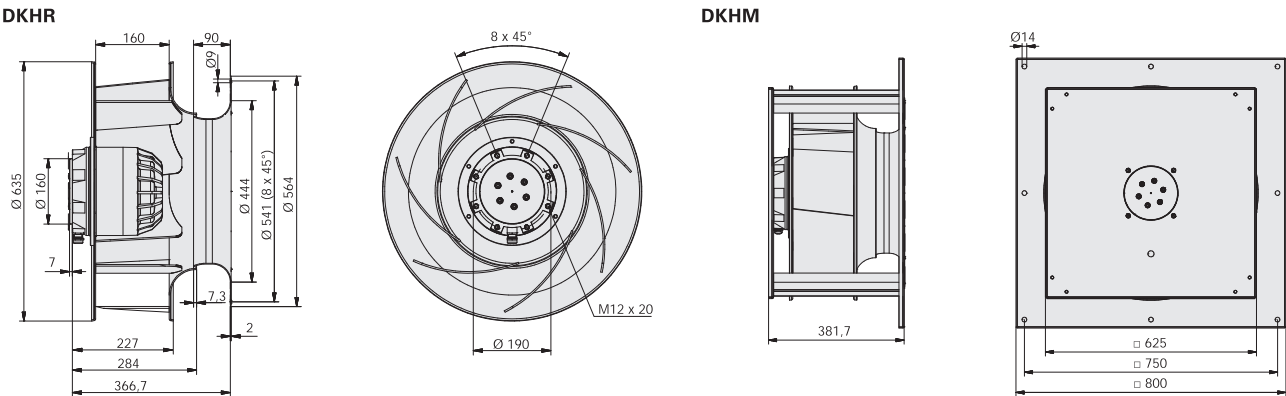
Düsenbeiwert / Calibration factor : k10 = 233

Table with 14 columns: Ventilator typ / Fan Type, U [V], f [Hz], P [kW], In [A], n [min-1], tr [°F], tr [°C], ΔI [%], Ia/In, IP, star symbol, weight DKHR [kg], weight DKHM [kg].

Schaltbild / Wiring diagram:



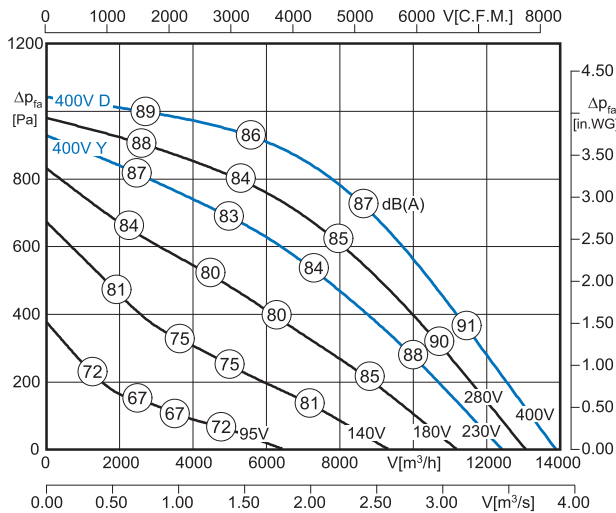
Maße / Dimensions : [mm]





- in allen Einbaulagen montierbar
- rückwärtsgekr. Hochleistungslaufrad
- 100% stufenlos regelbar
- kompakte, raumsparende Bauart
- mountable in all installation positions
- backward curved high efficiency impeller
- speed is 100% infinitely variable
- compact, space saving design

Technische Daten / Technical data:



Geräusche / Sound levels:

$$L_{W(A)5} = L_{W(A)8} - 6 \text{ dB}$$

$$L_{W(A)6} = L_{W(A)8} - 3 \text{ dB}$$

$L_{W(A)8}$ ist in der Luftleistungskennlinie dargestellt
is displayed in air performance curve

$$L_{W(A)5\text{okt}} = L_{W(A)5} + L_{W(A)5\text{rel}}$$

$$L_{W(A)6\text{okt}} = L_{W(A)6} + L_{W(A)6\text{rel}}$$

$$L_{W(A)8\text{okt}} = L_{W(A)8} + L_{W(A)8\text{rel}}$$

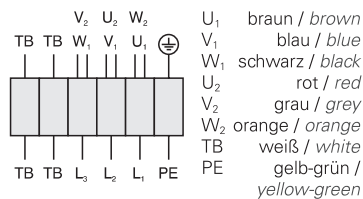
LWArel A-bewertet bei V=0,5*Vmax LWArel A-weighted at V=0,5*Vmax	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA5 [dB(A)] Ansaugseite / inlet side	-10	-9	-6	-7	-7	-10	-16
LWA6 / LWA8 [dB(A)] Ausblasseite / outlet side	-11	-7	-6	-6	-8	-13	-20

Düsenbeiwert / Calibration factor : $k_{10} = 253$

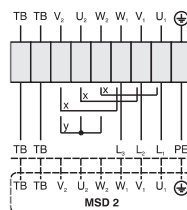
Ventilatorart / Fan Type	U [V]	f [Hz]	P [kW]	I _N [A]	n [min ⁻¹]	t _R [°F]	t _R [°C]	ΔI [%]	I _a /I _n	⚠	★	KG [kg] DKHR	KG [kg] DKHM
DKH_560-4_B.180.7KF	3 ~ 400	50	3.1	5.7	1405	104	40	27	5.8	IP54	01.006	39	61
DKH_560-G_B.180.7KF	400 D/Y	50	3.1 / 2.47	5.7 / 3.95	1405 / 1200	104	40	27	5.8	IP54	01.045	39	61

Schaltbild / Wiring diagram:

01.006



01.045

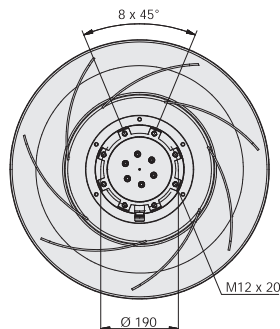
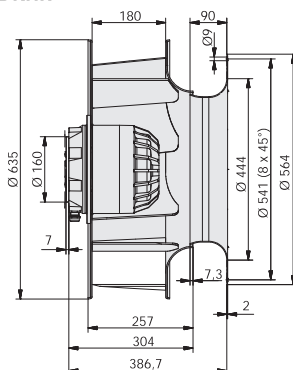


U₁ braun / brown
V₁ blau / blue
W₁ schwarz / black
U₂ rot / red
V₂ grau / grey
W₂ orange / orange
TB weiß / white
PE gelb-grün / yellow-green

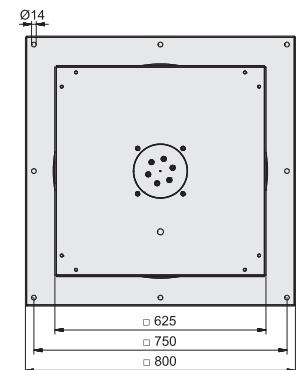
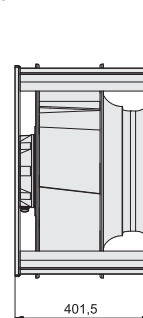
x Brücke für hohe Drehzahl / bridge for high speed
y Brücke für niedrige Drehzahl / bridge for low speed

Maße / Dimensions : [mm]

DKHR



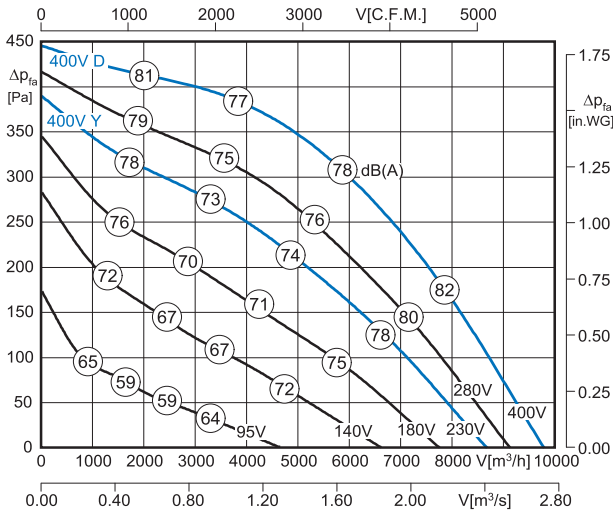
DKHM





- in allen Einbaulagen montierbar
- rückwärtsgekr. Hochleistungslaufrad
- 100% stufenlos regelbar
- kompakte, raumsparende Bauart
- mountable in all installation positions
- backward curved high efficiency impeller
- speed is 100% infinitely variable
- compact, space saving design

Technische Daten / Technical data:



Geräusche / Sound levels:

$L_{W(A)5} = L_{W(A)8} - 6 \text{ dB}$
 $L_{W(A)6} = L_{W(A)8} - 3 \text{ dB}$
 $L_{W(A)8}$ ist in der Luftleistungskennlinie dargestellt
is displayed in air performance curve

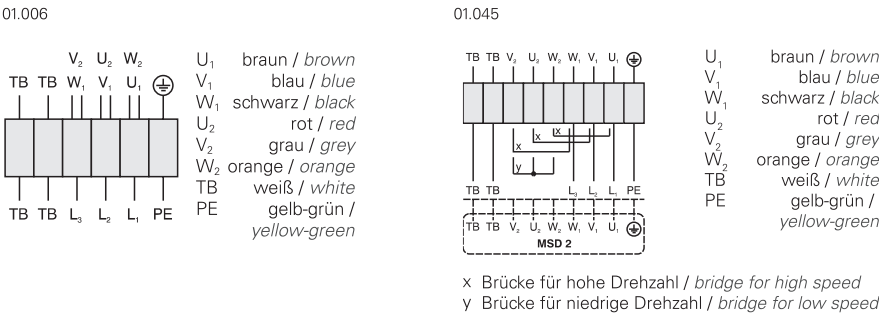
$L_{W(A)5\text{okt}} = L_{W(A)5} + L_{W(A)5\text{rel}}$
 $L_{W(A)6\text{okt}} = L_{W(A)6} + L_{W(A)6\text{rel}}$
 $L_{W(A)8\text{okt}} = L_{W(A)8} + L_{W(A)8\text{rel}}$

LWArel A-bewertet bei V=0,5*Vmax LWArel A-weighted at V=0,5*Vmax	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA5 [dB(A)] Ansaugseite / inlet side	-10	-9	-6	-7	-7	-10	-16
LWA6 / LWA8 [dB(A)] Ausblasseite / outlet side	-11	-7	-6	-6	-8	-13	-20

Düsenbeiwert / Calibration factor : $k_{10} = 261$

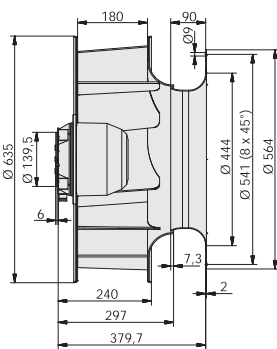
Ventilatorotyp / Fan Type	U [V]	f [Hz]	P [kW]	I _N [A]	n [min ⁻¹]	t _R [°F]	t _R [°C]	Δ I [%]	I _a /I _n	⚠	★	KG [kg] DKHR	KG [kg] DKHM
DKH_ 560-6_B.180.6HF	3 ~ 400	50	0.93	1.95	905	158	70	-	3.9	IP54	01.006	25	47
DKH_ 560-H_B.180.6HF	400 D/Y	50	0.93 / 0.66	1.95 / 1.08	905 / 760	158	70	-	3.9	IP54	01.045	25	47

Schaltbild / Wiring diagram:

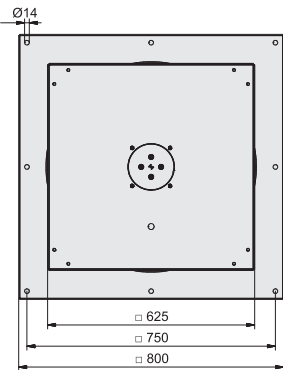
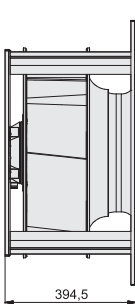
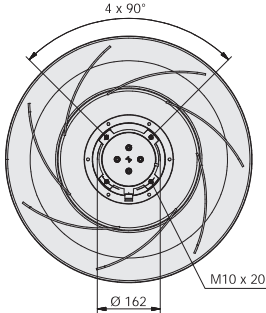


Maße / Dimensions : [mm]

DKHR



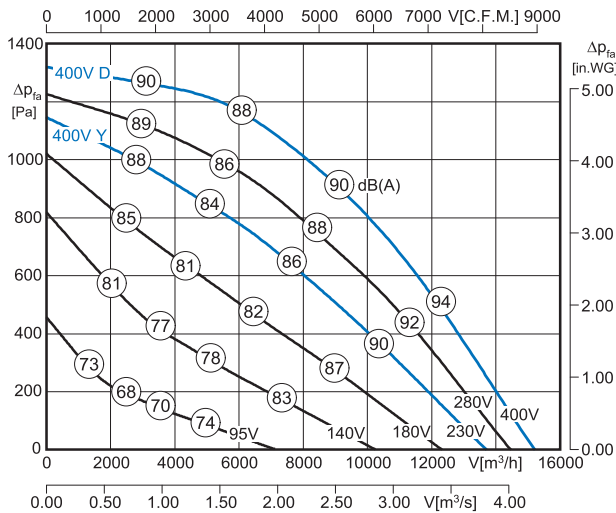
DKHM





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Technische Daten / Technical data:



Geräusche / Sound levels:

$$L_{w(A)5} = L_{w(A)8} - 6 \text{ dB}$$

$$L_{w(A)6} = L_{w(A)8} - 3 \text{ dB}$$

$L_{w(A)8}$ ist in der Luftleistungskennlinie dargestellt
is displayed in air performance curve

$$L_{w(A)5\text{okt}} = L_{w(A)5} + L_{w(A)5\text{rel}}$$

$$L_{w(A)6\text{okt}} = L_{w(A)6} + L_{w(A)6\text{rel}}$$

$$L_{w(A)8\text{okt}} = L_{w(A)8} + L_{w(A)8\text{rel}}$$

LWArel A-bewertet bei V=0,5*Vmax LWArel A-weighted at V=0,5*Vmax	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA5 [dB(A)] Ansaugseite / inlet side	-13	-10	-8	-6	-5	-10	-16
LWA6 / LWA8 [dB(A)] Ausblasseite / outlet side	-10	-9	-7	-5	-7	-13	-21

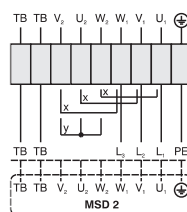
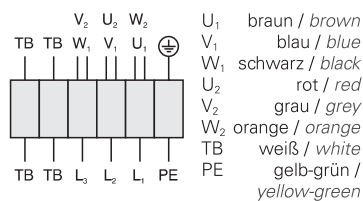
Düsenbeiwert / Calibration factor : $k_{10} = 295$

Ventilatorart / Fan Type	U [V]	f [Hz]	P [kW]	I _N [A]	n [min ⁻¹]	t _R [°F]	t _R [°C]	ΔI [%]	I _a /I _n	⚠	★	KG [kg] DKHR	KG [kg] DKHM
DKH_630-4_B.140.7NA	3 ~ 400	50	4.15	7.8	1395	104	40	17	5.5	IP54	01.006	46	83
DKH_630-G_B.140.7NA	400 D/Y	50	4.15 / 3.06	7.8 / 5.2	1395 / 1180	104	40	17	5.5	IP54	01.045	46	83

Schaltbild / Wiring diagram:

01.006

01.045

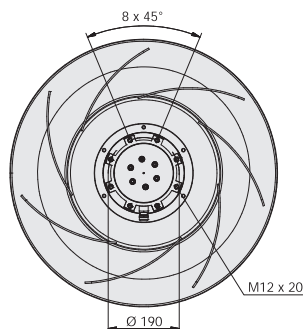
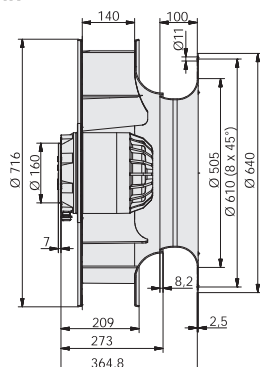


U₁ braun / brown
V₁ blau / blue
W₁ schwarz / black
U₂ rot / red
V₂ grau / grey
W₂ orange / orange
TB weiß / white
PE gelb-grün / yellow-green

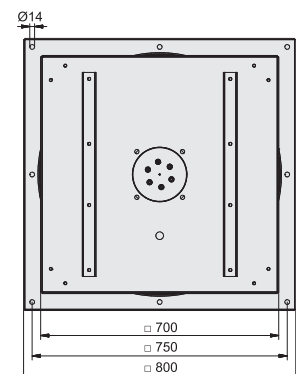
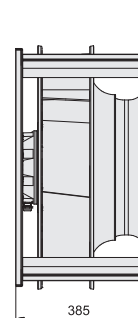
x Brücke für hohe Drehzahl / bridge for high speed
y Brücke für niedrige Drehzahl / bridge for low speed

Maße / Dimensions : [mm]

DKHR



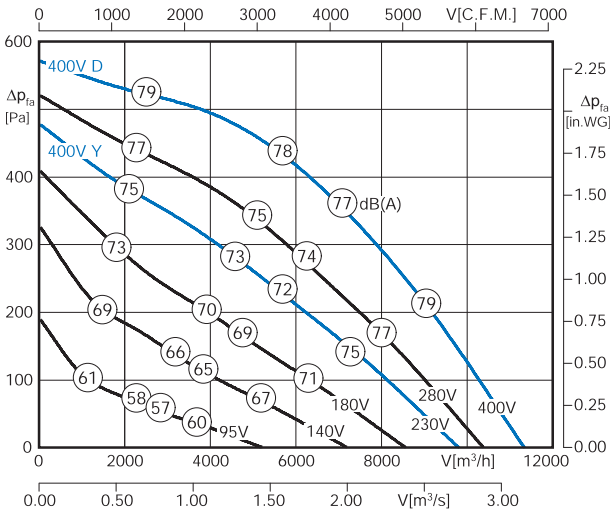
DKHM





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- backward curved high efficiency impeller
- speed is 100% infinitely variable
- compact, space saving design

Technische Daten / Technical data:



Geräusche / Sound levels:

LWA(A)5 = LWA(A)8 - 6 dB
LWA(A)6 = LWA(A)8 - 3 dB
LWA(A)8 ist in der Luftleistungskennlinie dargestellt

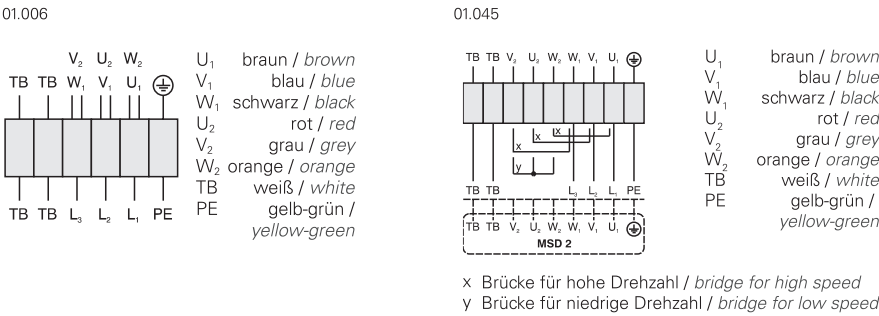
LWA(A)5okt = LWA(A)5 + LWA(A)5rel
LWA(A)6okt = LWA(A)6 + LWA(A)6rel
LWA(A)8okt = LWA(A)8 + LWA(A)8rel

Table with 2 rows and 8 columns: fM [Hz] (125, 250, 500, 1K, 2K, 4K, 8K), LWA5 [dB(A)] Ansaugseite / inlet side, LWA6 / LWA8 [dB(A)] Ausblasseite / outlet side.

Düsenbeiwert / Calibration factor : k10 = 303

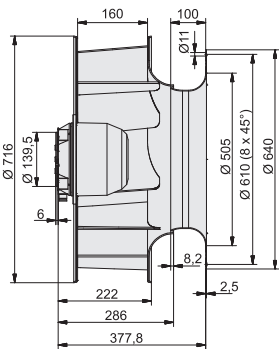
Table with 14 columns: Ventilator typ / Fan Type, U [V], f [Hz], P [kW], IN [A], n [min-1], tr [°F], tr [°C], Delta I [%], Ia / In, IP, star symbol, weight [kg] DKHR, weight [kg] DKHM.

Schaltbild / Wiring diagram:

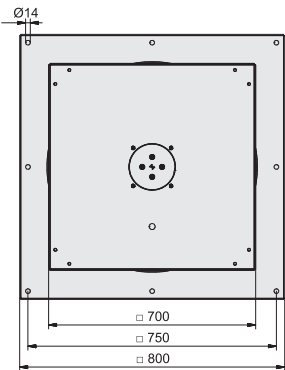
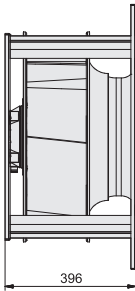
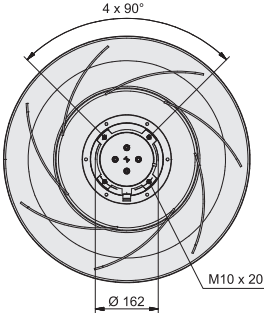


Maße / Dimensions : [mm]

DKHR



DKHM

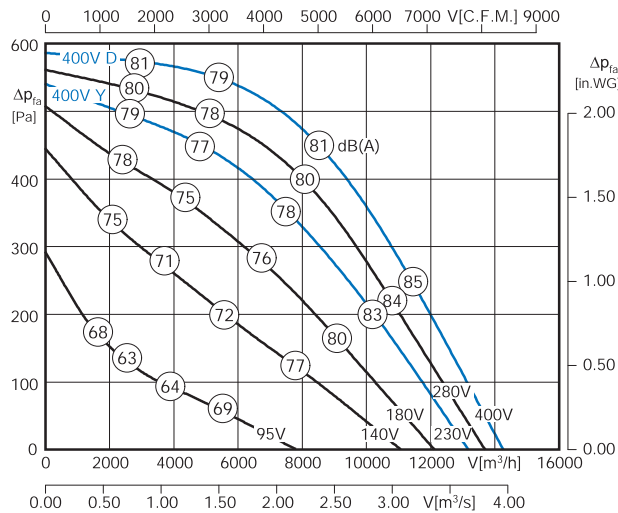




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Technische Daten / Technical data:



Geräusche / Sound levels:

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$L_{W(A)8}$ ist in der Luftleistungskennlinie dargestellt
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$$L_{W(A)5\text{okt}} = L_{W(A)5} + L_{W(A)5\text{rel}}$$

$$L_{W(A)6\text{okt}} = L_{W(A)6} + L_{W(A)6\text{rel}}$$

$$L_{W(A)8\text{okt}} = L_{W(A)8} + L_{W(A)8\text{rel}}$$

LWArel A-bewertet bei V=0,5*Vmax LWArel A-weighted at V=0,5*Vmax	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA5 [dB(A)] Ansaugseite / inlet side	-17	-11	-9	-5	-4	-13	-20
LWA6 / LWA8 [dB(A)] Ausblasseite / outlet side	-13	-10	-8	-5	-5	-13	-22

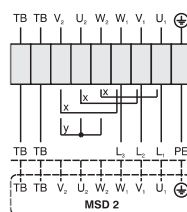
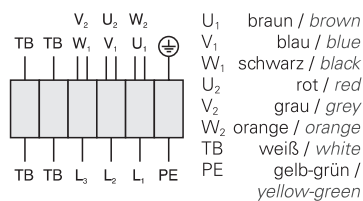
Düsenbeiwert / Calibration factor : $k_{10} = 303$

Ventilatorart / Fan Type	U [V]	f [Hz]	P [kW]	I _N [A]	n [min ⁻¹]	t _R [°F]	t _R [°C]	ΔI [%]	I _a /I _n	⚠	★	KG [kg] DKHR	KG [kg] DKHM
DKH_630-6_B.224.7NA	3 ~ 400	50	1.91	4.25	950	158	70	17	9.5	IP54	01.006	47	85
DKH_630-H_B.224.7NA	400 D/Y	50	1.91 / 1.52	4.25 / 2.5	950 / 840	158	70	17	9.5	IP54	01.045	47	85

Schaltbild / Wiring diagram:

01.006

01.045

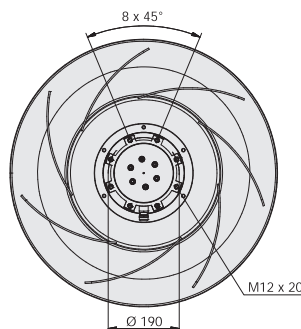
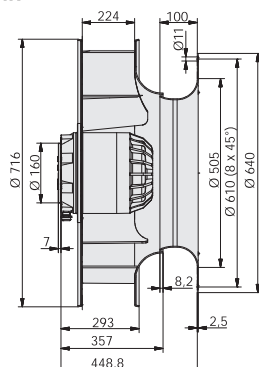


U₁ braun / brown
V₁ blau / blue
W₁ schwarz / black
U₂ rot / red
V₂ grau / grey
W₂ orange / orange
TB weiß / white
PE gelb-grün / yellow-green

x Brücke für hohe Drehzahl / bridge for high speed
y Brücke für niedrige Drehzahl / bridge for low speed

Maße / Dimensions : [mm]

DKHR



DKHM

