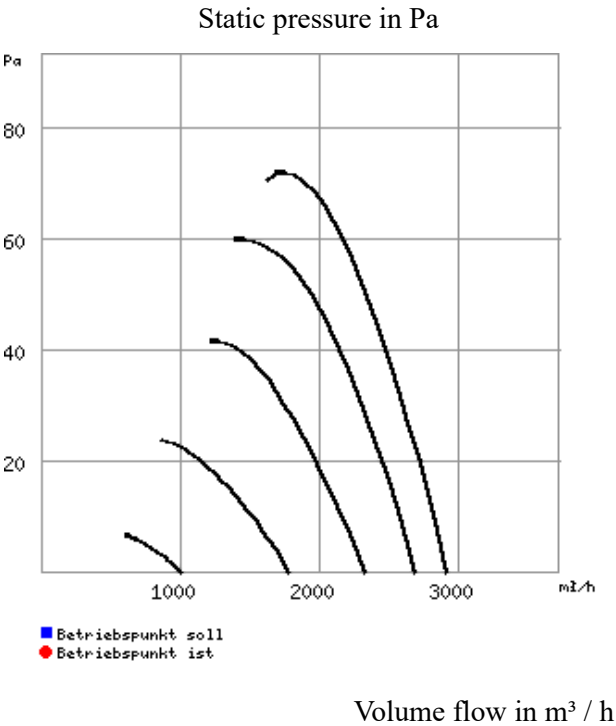


Article: 1022 HWD 355/4  
image



Curve graphics



characteristics

|                              |                                                                        |
|------------------------------|------------------------------------------------------------------------|
| item number                  | 1022-023                                                               |
| Article Type                 | HWD 355/4                                                              |
| Article                      | Axial high-performance fan<br>3-PH 400 V 50Hz TK<br>speed controllable |
| Is pressure                  | static                                                                 |
| Is volume                    |                                                                        |
| Max.Volumen                  | 2900 m³ / h                                                            |
| rotational speed             | 1375 min-1                                                             |
| Electricity unregulated      | 0.35 A                                                                 |
| Starting current unregulated | 1.4 A                                                                  |
| power                        | 0.13 kW                                                                |
| tension                      | 400 V / 3 ph / 50 Hz                                                   |
| Max. Temperature             | 60 ° C (40 ° C if regulated)                                           |
| Anschlußschemanr.            | 469                                                                    |
| Weight                       | 9.50 kg                                                                |
| delivery time                | In stock                                                               |
| Noise data:                  |                                                                        |
| air noise                    | 55 at 4 m                                                              |
| case breakout                |                                                                        |
| sound spectrum Hz            | Ges. 125 250 500 1k 2k 4k 8k                                           |
| lwa suction dB               | 75 61 65 72 69 67 61 52                                                |
| (A)                          | 0 0 0 0 0 0 0 0                                                        |
| lwa pressure side dB         | 0 0 0 0 0 0 0 0                                                        |
| (A)                          |                                                                        |
| lwa radiation dB             |                                                                        |
| (A)                          |                                                                        |

**description**

HWD 355/4

Axial high-performance fan

3-PH 400 V 50Hz TK

speed controllable

High-performance axial fan with wall mounting ring, inlet nozzle, directly driven.

Wall ring made of galvanized sheet steel, painted twice, color papyrus white, nozzle with protective grille on the suction side. Junction box on the motor.

Impeller with high-performance characteristics with profiled blades made of plastic, aerodynamically optimized for the application, dynamically balanced.

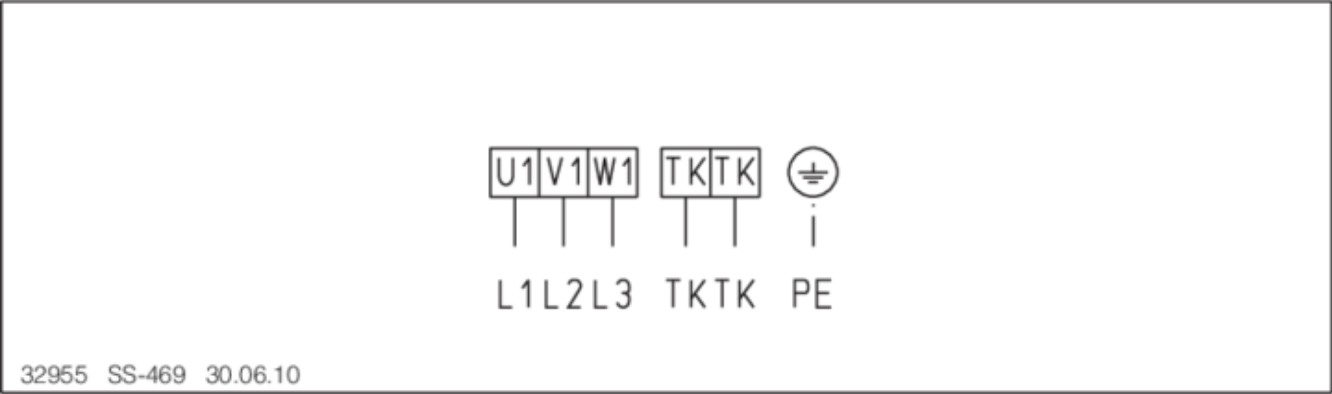
Three-phase squirrel-cage rotor motor, speed control, speed control, thermal contacts, closed design, maintenance-free, sealed, low-noise ball bearings with long-term lubrication.

## equipment

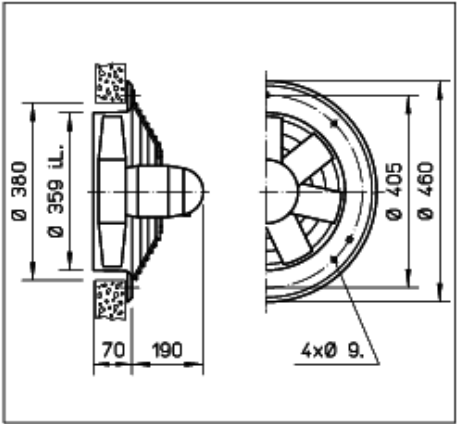
| image                                                                               | Item No. | grade     | description                                                                           | WG |
|-------------------------------------------------------------------------------------|----------|-----------|---------------------------------------------------------------------------------------|----|
|    | 777      | EVK 355   | Electrical locking flap for control via relay drawing see 00774                       | A  |
|    | 808      | F 355     | fitting                                                                               | A  |
|    | 5459     | FU-BS 2.5 | Frequency converter Basic Sinus 400V 3PH 50 / 60HZ 2.5A                               | R  |
| <b>Additional part to Article 5459:</b>                                             |          |           |                                                                                       |    |
|                                                                                     | 1437     | EDR       | elec. Pressure regulator for EC and AC fans with FU 24V / 0-10V                       | A  |
|                                                                                     | 1438     | ETR       | elec. Temperature controller for EC and AC fans with FU 24V / 0-10V                   | A  |
|                                                                                     | 1322     | LDF 500   | Air pressure differential sensor for Helios control units EUR 6C, EUR EC, FU-C, FU-CS | A  |
|                                                                                     | 1325     | LGF 10    | Air speed sensor for Helios control units EUR 6C, EUR EC, FU-C, FU-CS                 | A  |
|                                                                                     | 1336     | LTA 40    | Outdoor temperature sensor for Helios control units EUR6C, EUREC, FU-C, FU-CS, ETR    | A  |
|                                                                                     | 1324     | LTK 40    | Air temperature duct sensor for Helios control units EUR6C, EUREC, FU-C, FU-CS, ETR   | A  |
|                                                                                     | 1323     | LTR 40    | Air temperature room sensor for Helios control units EUR6C, EUREC, FU-C, FU-CS, ETR   | A  |
|                                                                                     | 1737     | PA 24     | SPEED POTENTIOMETER with operating display 24V DC, surface-mounted                    | e  |
|                                                                                     | 1736     | PU 24     | SPEED POTENTIOMETER with operating display 24V DC, flush-mounted                      | e  |
|                                                                                     | 4267     | SA-3 10   | Step switch 3-stage fan speed adjustable 10V DC, surface-mounted                      | e  |
|                                                                                     | 4266     | SU-3 10   | Stufenschalter 3-stufig Lüfterstufe einstellbar 10V DC, Unterputz                     | E  |
|                                                                                     | 9990     | WSUP      | Wochenzeitschaltuhr mit potentialfreiem Kontakt                                       | A  |
|                                                                                     | 9577     | WSUP-S    | Wochenzeitschaltuhr mit potentialfreiem Kontakt Schaltschrankmontage                  | A  |
|  | 5849     | MD        | Motorvollschutz-Schalter für 3-PH MOTOR, 1-tourig 400V                                | A  |
|  | 753      | RAG 355   | Regenabweisgitter                                                                     | A  |
|  | 1314     | RDS 1     | Trafo-Drehzahlsteller mit Motorvollschutzeinrichtung 3-PH, 400 V, 1,0 A               | R  |
|  | 1594     | RHS 3+1   | Revisions-/Hauptschalter 3-polig mit Hilfskontakt, 400V                               | A  |
|  | 769      | RVK 355   | Verschlußklappe handregelbar                                                          | A  |
|  | 1500     | TSD 0,8   | Trafo-Drehzahlsteller 3-PH, 400 V, 0,8 A                                              | R  |
|  | 6516     | TSSD 1    | Drehzahl-Steuertrafo 3-PH 400V 1,0 A, (1Satz = 2 Stück) für Schaltschrankeinbau       | A  |
|  | 761      | VK 355    | Verschlußklappe selbsttätig, Kunststoff                                               | A  |
|                                                                                     | 1271     | WS        | Universal-Wendeswitcher für AP-+ UP-Montage, 1-+ 3-PH                                 | A  |



Schaltplan



Maße



**LV-Text**

HWD 355/4 TK

Axial-Hochleistungsventilator

Axial-Hochleistungsventilator Wandeinbauring, Einströmdüse, direkt angetrieben.

Wandring aus verzinktem Stahlblech, zweifach lackiert, Farbe papyrusweiß, Düse mit Schutzgitter saugseitig.

Anschlußkasten am Motor.

Laufblad mit 7 Schaufeln aus Thermoplast.

Hoher Wirkungsgrad, niedriges Betriebsgeräusch. Vibrationsfreier Lauf durch dynamische Wuchtung nach Gütestufe G 6.3 VDI 2060 und DIN ISO 1940.

Drehstrom-Kurzschlußläufer-Motor durch Spannungsreduzierung Drehzahl steuerbar, Thermokontakte, geschlossene Bauweise, wartungsfrei, gedichtete, geräuscharme Kugellager mit Langzeitschmierung.

Ventilator-Daten (Standard)

Vol.str. bei 0 Pa 2900 m<sup>3</sup>/hVol.str. Betr.pkt. m<sup>3</sup> / h

Max. Pressure increase 70 Pa

Druckerh. Operating point pa

Fund density 1.2 kg / m<sup>3</sup>

Conveyor temperature 60/40 degrees C.

Speed 1375 1 / min

aufgenomm. Power 0.13 kW

Weight 9.5 kg

Sound power 70 dB (A)

Sound pressure in 4m 50 dB (A)

Voltage 400 volts

Current consumption 0.35 amp

AC / three-phase current D

Frequency 50 Hz

Insulation class B

Degree of protection IP 55

Make: Helios

Item No .: 1022

Type: HWD 355/4 TK

---