Werther Air Compressors

5250 N Sam Houston Pkwy W, Houston, TX 77086 - Suite 850

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www.werther.com

Compressor Datasheet

Model	KVPS 10 - FS - BD - 3PH - T
Part Number	KVPS-FS-BD-10-270
Description	KVPS 10 / 270, Fixed speed, Belt drive, 10 HP, Tri-Volt / 60 Hz / 3 Phase, 145 PSI, 71.3 gallon tank

General Data

Nominal Working Pressure	145 PSI
Mechanical Motor Power	10.0 HP
Max Ambient Temperature	113° F
Min Ambient Temperature	41° F

Working Data

F.A.D. Max	34.6 CFM
Total Power at Full Load	11.4 HP
Total Current at Full Load	**230V** - 33.4 amps / **460V** - 16.5 amps
Total Power at No Load	4.6 HP
Total Current at No Load	**230V** - 13.4 amps / **460V** - 6.6 amps
Max Rotor Speed	7,500 RPM
Noise Level	67 dB/(A)

Machine Weight & Dimensions

Weight	503.6 lbs
Length	61 inches
Width	24 inches
Height	49 inches

Air Receiver

Volume	71.3 gallons
Max Pressure	159.0 PSI

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Main Motor

Driving System (electric)	Star / Delta
Power Transmission	Belt
Nominal Motor Power	10.0 HP
N° Poles	2
Max Motor Speed	3,420 RPM
Power Factor (At Full Load)	0.86 cos phi
Service Class	S6 75%
Efficiency Rating	IE1
Frame Size	M 112
Form Factor	B35
Protection Rating	IP 55

Cooling System

Fan Motor Power	325 watts
Fan Motor Speed	2,650 RPM
Protection Rating	IP 44
Insulation Class	F
Cooling Air Flow	3,300 cubic meters per hour

Lubrication

Oil Quantity	1.0 gallons
Oil Type	Oil screw plus 46
Residual Oil	≤ 3 ÷ 5 ppm

Product Improvement is a continuing goal at Werther. Design and specifications are subject to change without notice or obligation.

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***Revision Date**: 2026.06.29*