Werther Air Compressors

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

Email: sales@werther.com

Phone: 832-327-7452

www.werther.com

Compressor Datasheet

Model	KVPS 7.5 - FS - BD - 1PH - T
Part Number	KVPS-FS-BD-7.5-220V-270
Description	KVPS 7.5 / 270, Fixed speed, Belt drive, 7.5 HP, 220V / 60 Hz / 1 Phase, 145 PSI, 71.3 gallon tank

General Data

Nominal Working Pressure	145 PSI
Mechanical Motor Power	7.5 HP
Max Ambient Temperature	113° F
Min Ambient Temperature	41° F

Working Data

F.A.D. Max	24.4 CFM
Total Power at Full Load	8.0 HP
Total Current at Full Load	30.2 amps
Total Power at No Load	3.6 HP
Total Current at No Load	11.0 amps
Max Rotor Speed	5,710 RPM
Noise Level	66 dB/(A)

Machine Weight & Dimensions

Weight	503.6 lbs
Length	61 inches
Width	25 inches
Height	26 inches

Air Receiver

Volume	71.3 gallons
Max Pressure	159 PSI

Werther Air Compressors

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

Email: sales@werther.com

Phone: 832-327-7452

www.werther.com

Compressor Datasheet

Main Motor

Driving System (electric)	Star / Delta
Power Transmission	Belt
Nominal Motor Power	7.5 HP
N° Poles	2
Max Motor Speed	3,450 RPM
Power Factor (At Full Load)	0.98 cos phi
Service Class	S1
Efficiency Rating	IE1
Frame Size	M 112
Form Factor	B35
Protection Rating	IP 55

Cooling System

Fan Motor Power	210 watts
Fan Motor Speed	2,610 RPM
Protection Rating	IP 44
Insulation Class	F
Cooling Air Flow	1,400 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.

WERTHER AIR COMPRESSORS, ALL RIGHTS RESERVED

***Revision Date**: 2026.06.29*