

AC induction motor performance data

Record #85997 - Typical performance - not guaranteed values

Winding	07WGA0019
Type	0758M
Enclosure	PART

Nameplate data

Rated Output	7.5		
Volts	230/460		
Full Load Amps	20.8/10.4		
R.P.M.	1150		
Hz	60	Phase	3
KVA Code	G		
S.F.	1.15		
NEMA Nom. Eff.	89.5	Power Factor	75
Duty	15 MIN		
S.F. Amps			

460 V, 60 Hz:

High Voltage Connection

Full Load Torque	34 LB-FT
Start Configuration	direct on line
Breakdown Torque	84.38 LB-FT
Pull-up Torque	61.39 LB-FT
Locked-rotor Torque	74.5 LB-FT
Starting Current	59.05 A
No-load Current	4.22
Line-line Res. @ 25°C	1.26 Ω
Temp. Rise @ Rated Load	16°C
Temp. Rise @ S.F. Load	21°C
Locked-rotor Power Factor	21
Rotor inertia	1.44 lb-ft²

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	NL	25	50	75	100	125	150	SF
Power Factor	5	41	63	72	75	76	74	76
Efficiency	0	90.9	91.6	90.6	89.5	86.9	83.5	88.1
Speed	1199	1189	1178	1167	1152	1135	1110	1142
Line amperes	4.22	4.73	6.13	8.11	10.41	13.2	17	12.1

SPEED TORQUE / SPEED CURRENT CURVES

BALDOR • RELIANCE

07WGA0019

7.5HP 460V 60HZ

