DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:
Product line	: W01 - TEFC - Premium Efficiency (DOE) Jet Pump - Forma J Derating
Product code	: 15942864

Frame	: W56J	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: W-6/V18R(D)
Duty cycle	: S1	Rotation	: Counter clockwise
Ambient temperature	: -20 °C to +40 °C	Starting method	: Direct On Line
Altitude	: 1000 m	Approx. weight	: 9.3 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0011 kgm²
Design	: NONE		

Output		1 HP (0.75 kW)	0.75 HP (0.55 kW)	0.75 HP (0.55 kW)
Poles		2	2	2
Frequency		60 Hz	50 Hz	50 Hz
Rated voltage		208-230/460 V	190/380 V	220/415 V
Rated current		3.32-3.00/1.50 A	2.76/1.38 A	2.55/1.35 A
L. R. Amperes		26.4/13.2 A	20.7/10.4 A	20.9/11.1 A
LRC		8.8 Code M	7.5 Code L	8.2 Code M
No load current		1.60/0.800 A	1.48/0.740 A	1.66/0.880 A
Rated speed		3435 rpm	2873 rpm	2897 rpm
Slip		4.58 %	4.23 %	3.43 %
Rated torque		0.211 kgfm	0.189 kgfm	0.188 kgfm
Locked rotor torque		360 %	300 %	360 %
Breakdown torque		380 %	320 %	390 %
Service factor		1.15	1.15	1.15
Temperature rise		80 K	80 K	80 K
Noise level		65 dB(A)	64 dB(A)	64 dB(A)
Locked rotor time		9 s (hot) 16 s (cold)	9 s (hot) 16 s (cold)	8 s (hot) 14 s (cold)
Efficiency (%)	50%	74.0	76.7	74.1
	75%	77.0	79.8	78.6
	100%	78.5	77.8	77.8
Power Factor	Start	0.79	0.82	0.83
	50%	0.63	0.62	0.54
	75%	0.75	0.75	0.67
	100%	0.8	0.78	0.73
Losses at normative operating points (speed;torque), in percentage of rated output power				
P1 (0,9;1,0)		31.44	30.93	29.87
P2 (0,5;1,0)		28.37	27.91	26.96
P3 (0,25;1,0)		25.57	25.15	24.29
P4 (0,9;0,5)		17.24	16.96	16.38
P5 (0,5;0,5)		11.27	11.09	10.71
P6 (0,5;0,25)		8.34	8.20	7.92
P7 (0,25;0,25)		5.62	5.53	5.34

	Drive end	Non drive end
Bearing type	6203-2RS	6202-2RS
Lubrication interval	-	-
Lubricant amount	-	-
Lubricant type	MOBIL POLYREX EM	

Notes:

Rev.	Changes Summary	Performed	Checked	Date
				2026/10/29

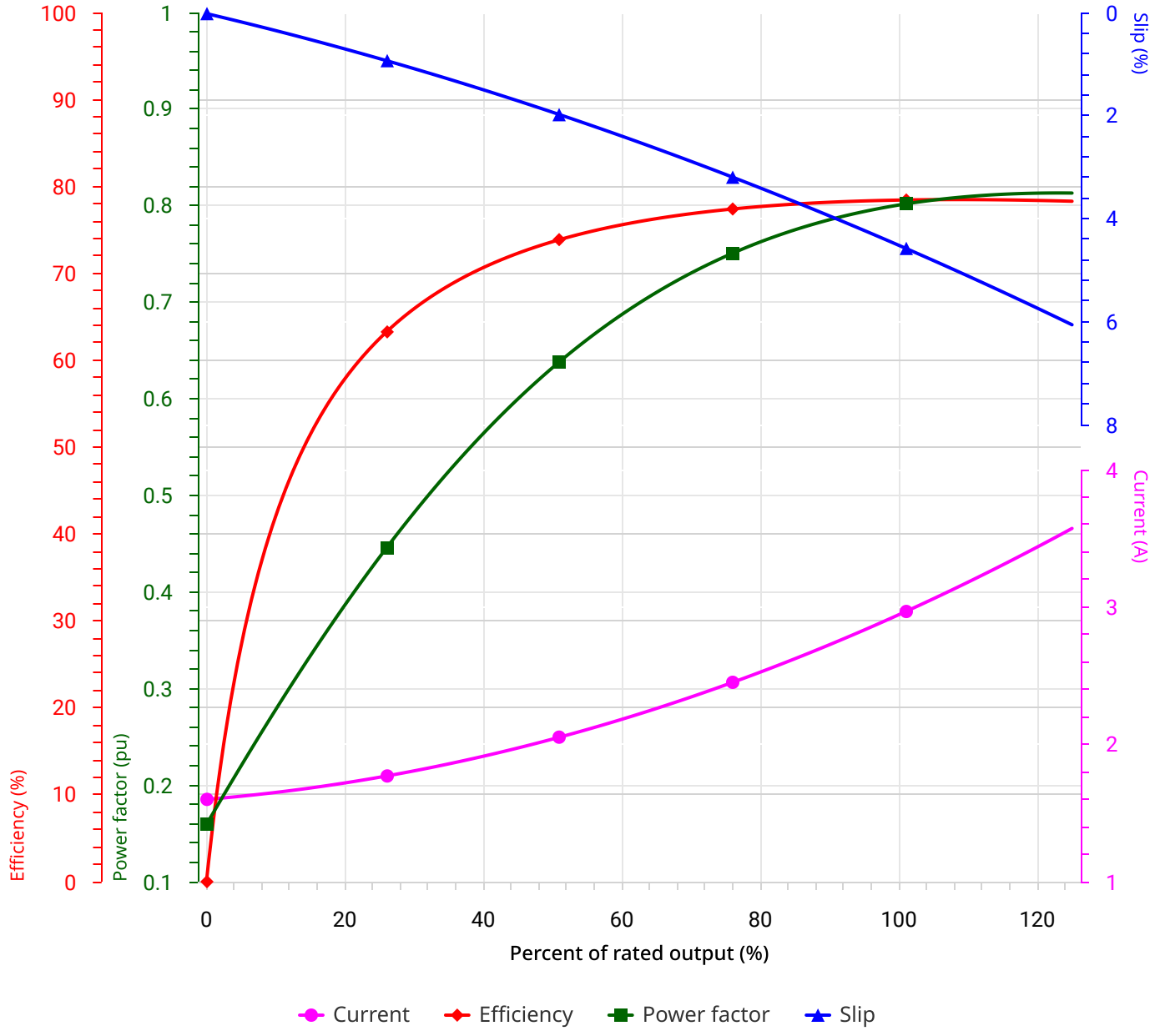
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Performance	: 1 HP (0.75 kW) 208/230/460V 60Hz 2P W56J		
Rated current	: 3.32/3.00/1.50 A	Moment of inertia (J)	: 0.0011 kgm²
LRC	: 8.8 Code M	Duty cycle	: Cont.(S1)
Rated torque	: 0.211 kgfm	Insulation class	: F
Locked rotor torque	: 360 %	Service factor	: 1.15
Breakdown torque	: 380 %	Temperature rise	: 80 K
Rated speed	: 3435 rpm		

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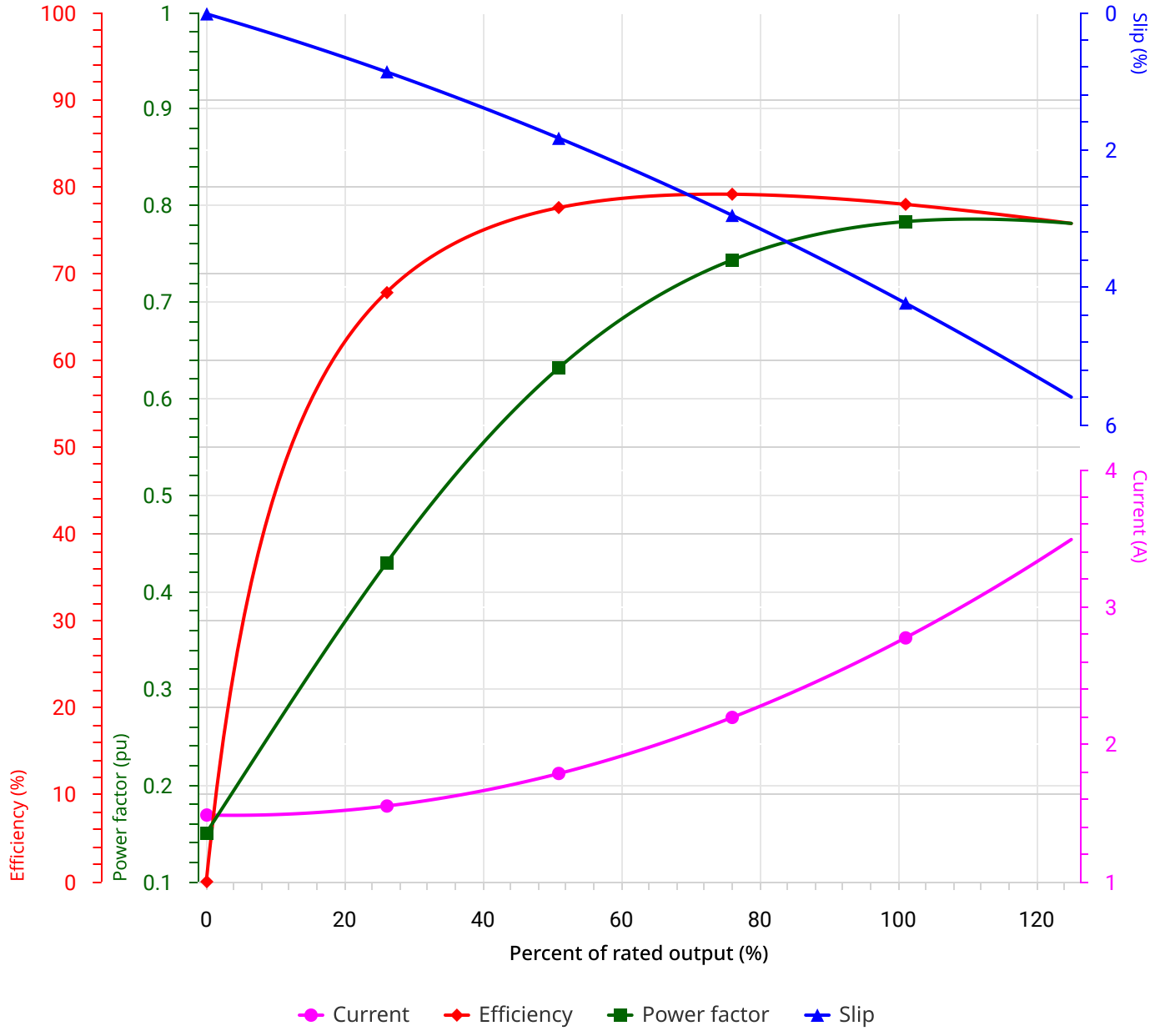
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Customer	:
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Performance	: 0.75 HP (0.55 kW) 190/380V 50Hz 2P W56J

Rated current	: 2.76/1.38 A	Moment of inertia (J)	: 0.0011 kgm²
LRC	: 7.5 Code L	Duty cycle	: Cont.(S1)
Rated torque	: 0.189 kgfm	Insulation class	: F
Locked rotor torque	: 300 %	Service factor	: 1.15
Breakdown torque	: 320 %	Temperature rise	: 80 K
Rated speed	: 2873 rpm		

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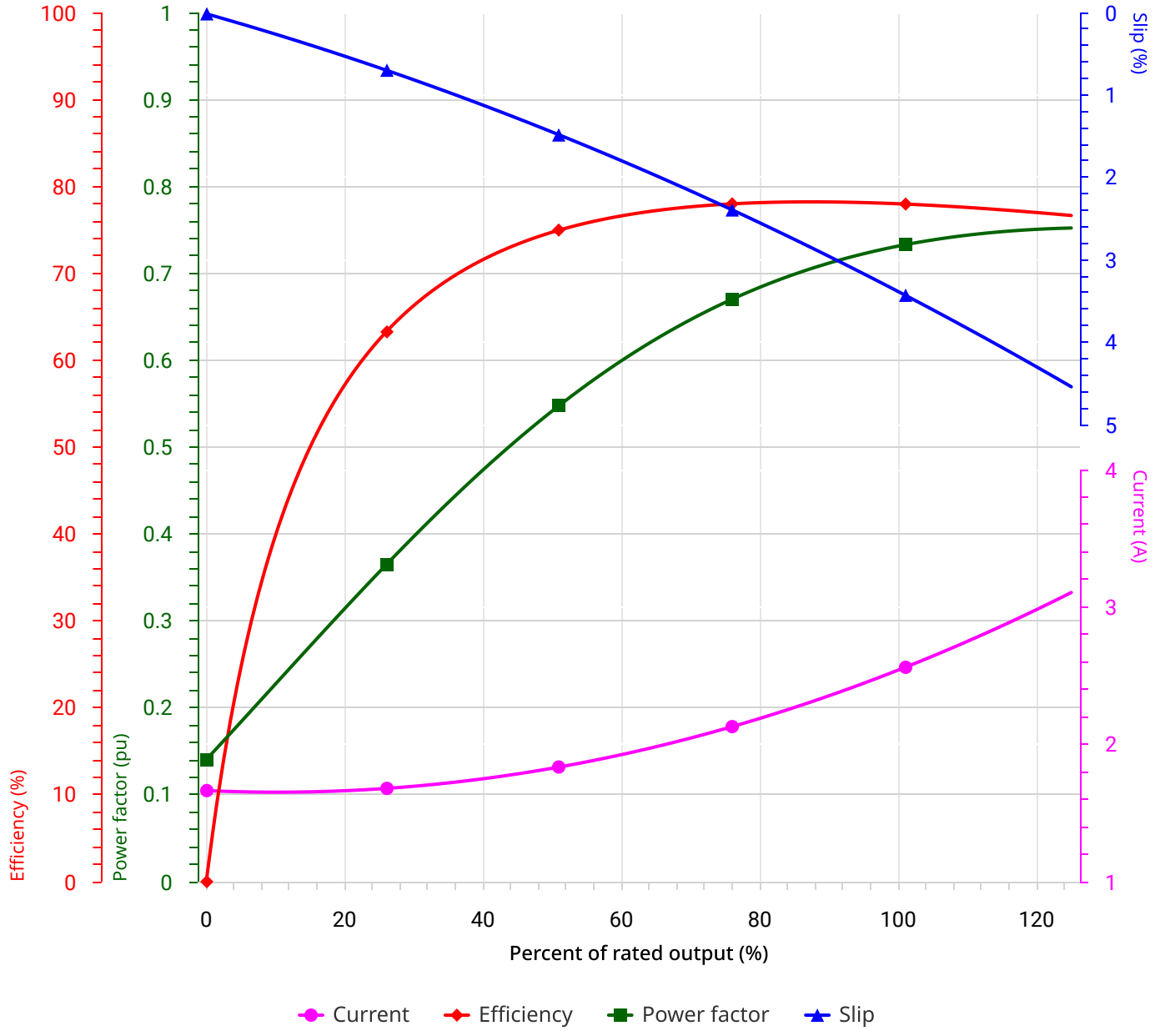
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Performance	: 0.75 HP (0.55 kW) 220/415V 50Hz 2P W56J

Rated current	: 2.55/1.35 A	Moment of inertia (J)	: 0.0011 kgm²
LRC	: 8.2 Code M	Duty cycle	: Cont.(S1)
Rated torque	: 0.188 kgfm	Insulation class	: F
Locked rotor torque	: 360 %	Service factor	: 1.15
Breakdown torque	: 390 %	Temperature rise	: 80 K
Rated speed	: 2897 rpm		

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