DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: W01 - TEFC - Premium Efficiency (DOE) Jet Pump - Forma J Derating
Product code	: 13721666

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	: 6.8 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0006 kgm²
Design	: NONE		

Output		0.33 HP (0.25 kW)	0.33 HP (0.25 kW)	0.33 HP (0.25 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		1.31-1.15/0.573 A	1.29/0.646 A	1.18/0.624 A
L. R. Amperes		8.14/4.07 A	7.24/3.62 A	7.42/3.93 A
LRC		7.1 Code L	5.6 Code J	6.3 Code K
No load current		0.708/0.354 A	0.692/0.346 A	0.751/0.398 A
Rated speed		3450 rpm	2800 rpm	2830 rpm
Slip		4.17 %	6.67 %	5.67 %
Rated torque		0.069 kgfm	0.086 kgfm	0.085 kgfm
Locked rotor torque		320 %	240 %	290 %
Breakdown torque		370 %	260 %	310 %
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		28 s (hot) 50 s (cold)	28 s (hot) 50 s (cold)	24 s (hot) 43 s (cold)
Efficiency (%)	50%	59.5	65.8	64.3
	75%	66.0	70.6	70.2
	100%	72.0	71.7	72.4
Power Factor	Start	0.77	0.82	0.82
	50%	0.61	0.66	0.58
	75%	0.71	0.77	0.70
	100%	0.76	0.82	0.77
Losses at normative operating points (speed;torque), in percentage of rated output power				
P1 (0,9;1,0)		0.00	0.00	0.00
P2 (0,5;1,0)		0.00	0.00	0.00
P3 (0,25;1,0)		0.00	0.00	0.00
P4 (0,9;0,5)		0.00	0.00	0.00
P5 (0,5;0,5)		0.00	0.00	0.00
P6 (0,5;0,25)		0.00	0.00	0.00
P7 (0,25;0,25)		0.00	0.00	0.00

	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
				2026/11/12

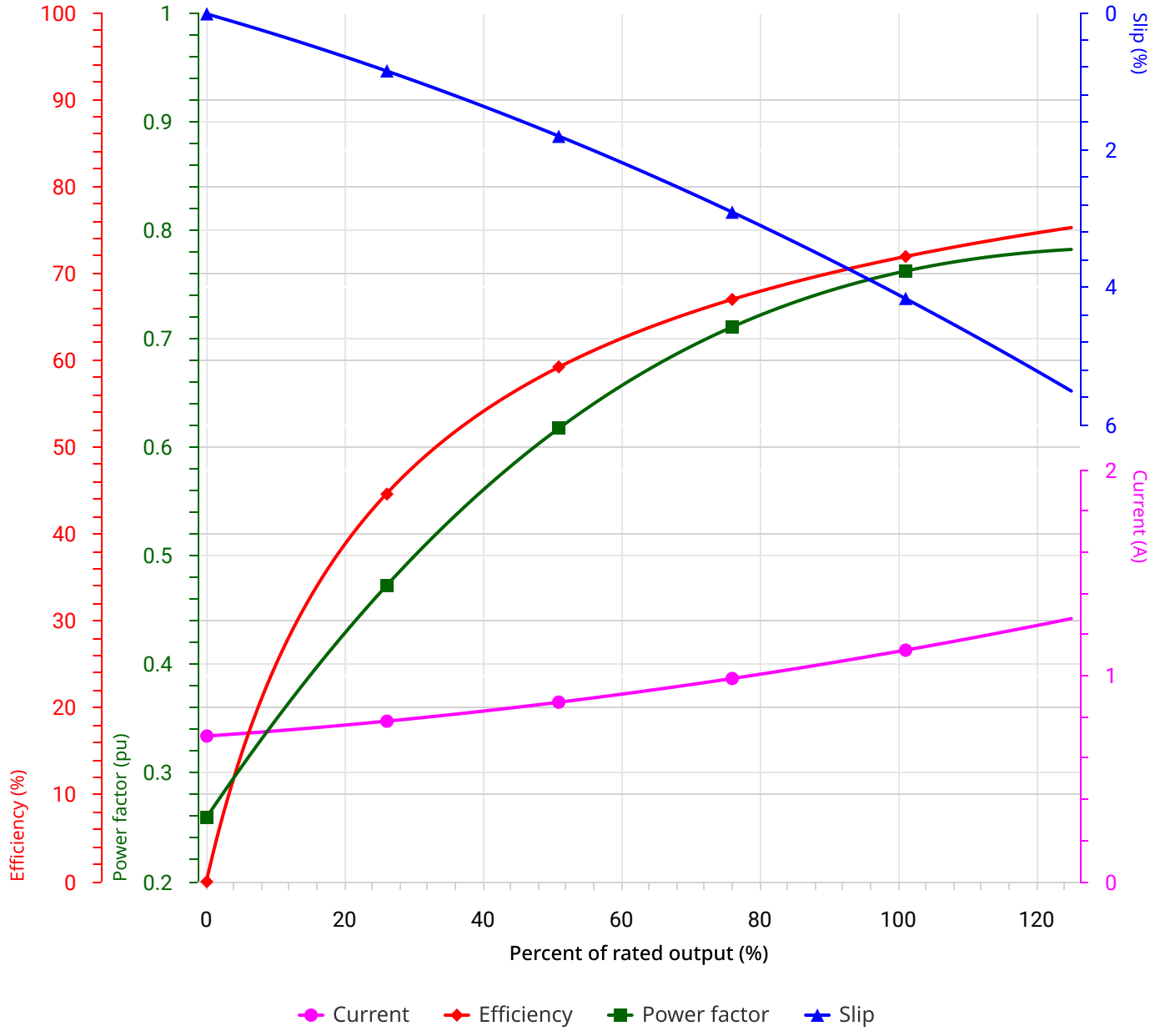
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Performance	: 0.33 HP (0.25 kW) 208/230/460V 60Hz 2P W56J

Rated current	: 1.31/1.15/0.573 A	Moment of inertia (J)	: 0.0006 kgm²
LRC	: 7.1 Code L	Duty cycle	: Cont.(S1)
Rated torque	: 0.069 kgfm	Insulation class	: F
Locked rotor torque	: 320 %	Service factor	: 1.15
Breakdown torque	: 370 %	Temperature rise	: 80 K
Rated speed	: 3450 rpm		

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				2026/11/12

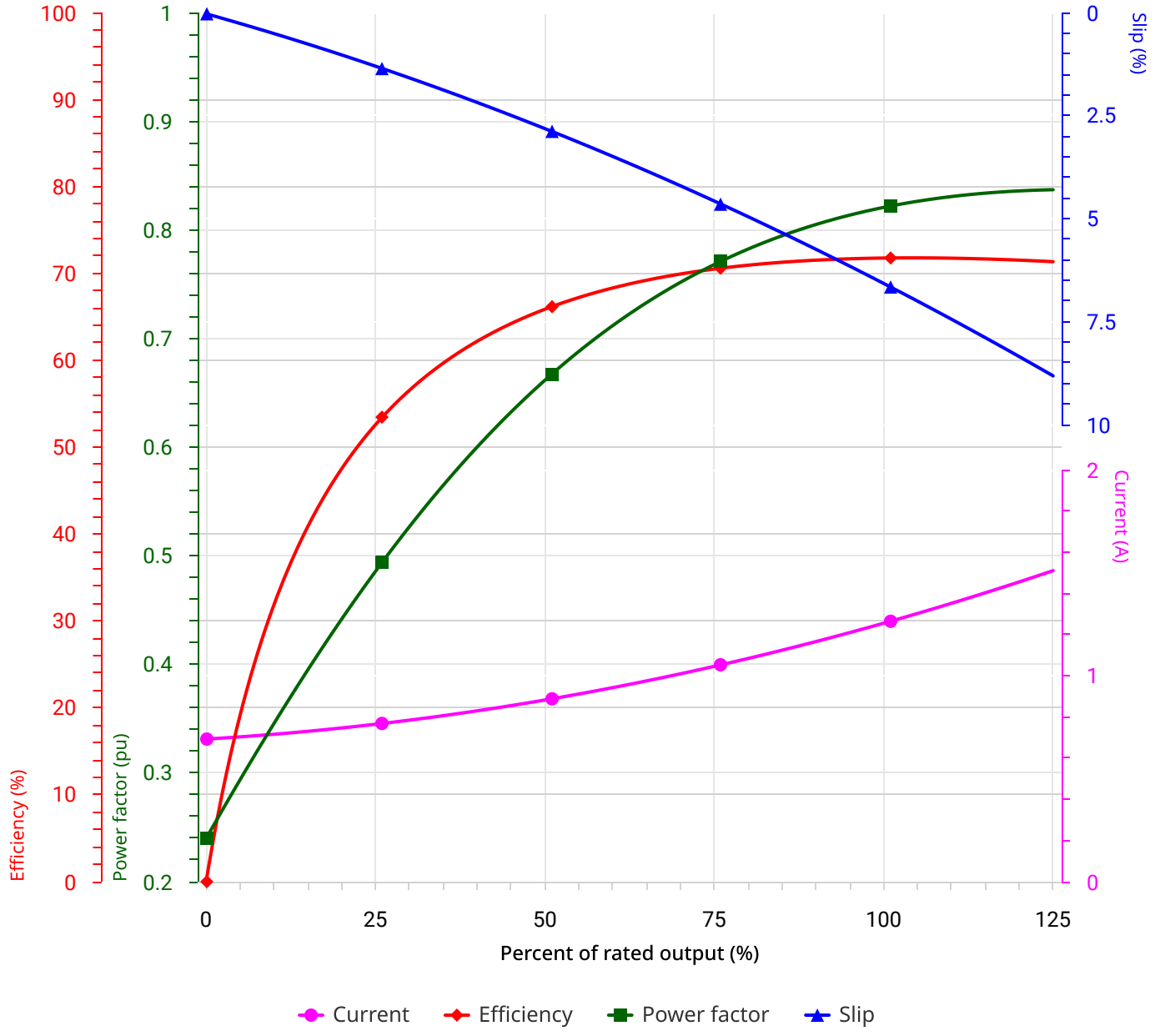
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Customer	:
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Performance	: 0.33 HP (0.25 kW) 190/380V 50Hz 2P W56J

Rated current	: 1.29/0.646 A	Moment of inertia (J)	: 0.0006 kgm²
LRC	: 5.6 Code J	Duty cycle	: Cont.(S1)
Rated torque	: 0.086 kgfm	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.15
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 2800 rpm		

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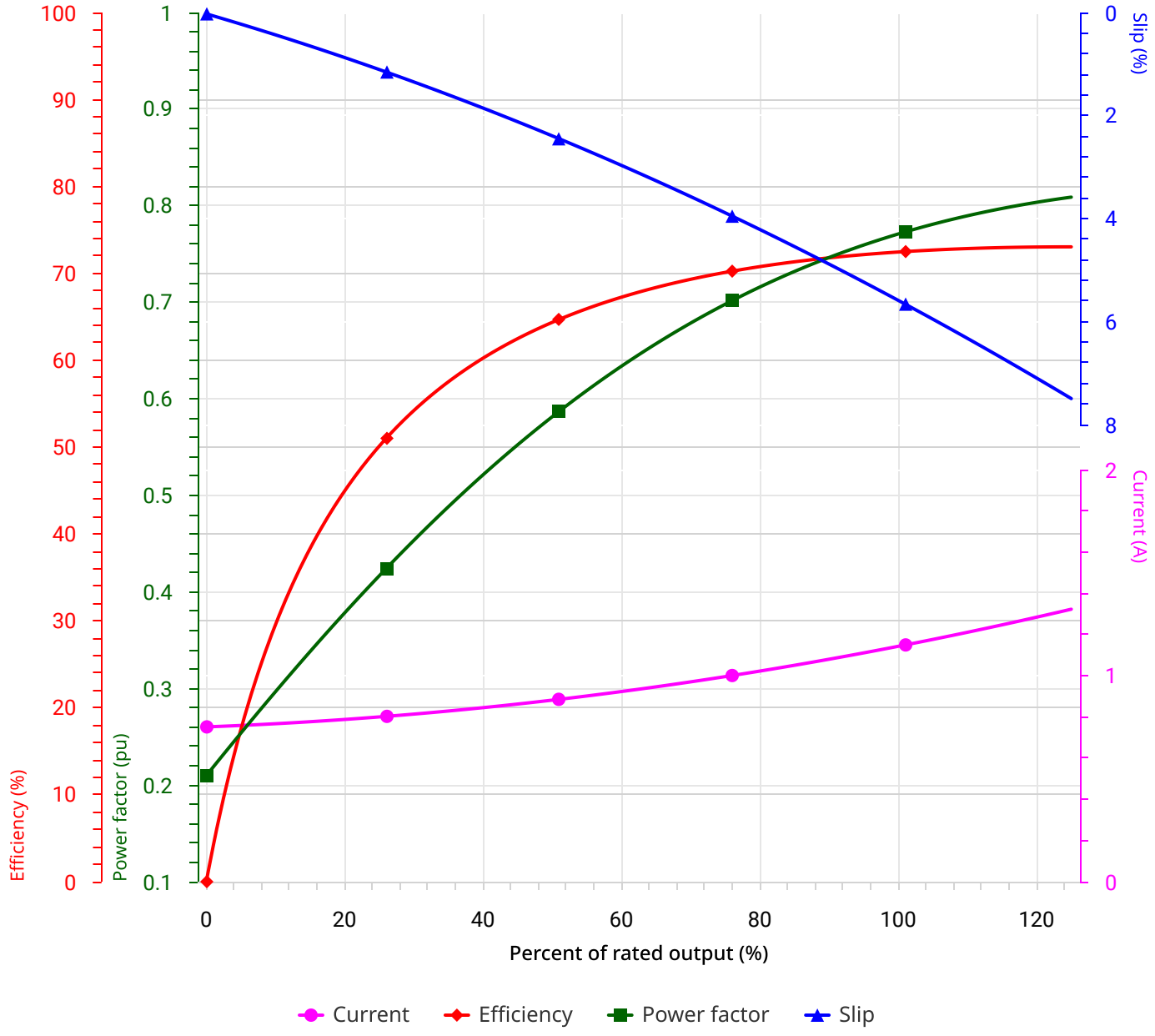
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Product code	: 13721666



Performance	: 0.33 HP (0.25 kW) 220/415V 50Hz 2P W56J

Rated current	: 1.18/0.624 A	Moment of inertia (J)	: 0.0006 kgm²
LRC	: 6.3 Code K	Duty cycle	: Cont.(S1)
Rated torque	: 0.085 kgfm	Insulation class	: F
Locked rotor torque	: 290 %	Service factor	: 1.15
Breakdown torque	: 310 %	Temperature rise	: 80 K
Rated speed	: 2830 rpm		

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