DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:
Product line	: W40 High Efficiency - Close Coupled Pump JM
Product code	: 16394970

Frame	: 284JM	Cooling method	: IC01 - ODP
Insulation class	: F	Mounting	: B34R(D)
Duty cycle	: S1	Rotation	: Both
Ambient temperature	: -20 °C to +40 °C	Starting method	: Direct On Line
Altitude	: 1000 m	Approx. weight	: 150 kg
Protection degree	: IP23	Moment of inertia (J)	: 0.1213 kgm²
Design	: B		

Output		25 HP (18.5 kW)	25 HP (18.5 kW)
Poles		4	4
Frequency		60 Hz	60 Hz
Rated voltage		230/460 V	208 V
Rated current		59.6/29.8 A	66.6 A
L. R. Amperes		357/179 A	399 A
LRC		6.0 Code G	6.0 Code G
No load current		18.8/9.40 A	16.2 A
Rated speed		1765 rpm	1765 rpm
Slip		1.94 %	1.94 %
Rated torque		10.3 kgfm	10.0 kgfm
Locked rotor torque		200 %	200 %
Breakdown torque		230 %	225 %
Service factor		1.15	1.15
Temperature rise		80 K	80 K
Noise level		64 dB(A)	-
Locked rotor time		11 s (hot) 20 s (cold)	11 s (hot) 20 s (cold)
Efficiency (%)	50%	91.0	91.0
	75%	91.7	91.7
	100%	91.7	91.7
Power Factor	Start	0.49	0.49
	50%	0.74	0.74
	75%	0.80	0.80
	100%	0.85	0.85
Losses at normative operating points (speed;torque), in percentage of rated output power			
P1 (0,9;1,0)		9.10	9.10
P2 (0,5;1,0)		8.26	8.26
P3 (0,25;1,0)		7.27	7.27
P4 (0,9;0,5)		3.78	3.78
P5 (0,5;0,5)		2.77	2.77
P6 (0,5;0,25)		1.61	1.61
P7 (0,25;0,25)		1.17	1.17

	Drive end	Non drive end
Bearing type	6311-Z-C3	6211-Z-C3
Lubrication interval	20000 h	20000 h
Lubricant amount	18 g	11 g
Lubricant type	MOBIL POLYREX EM	

Notes:

Rev.	Changes Summary	Performed	Checked	Date
				2026/11/14

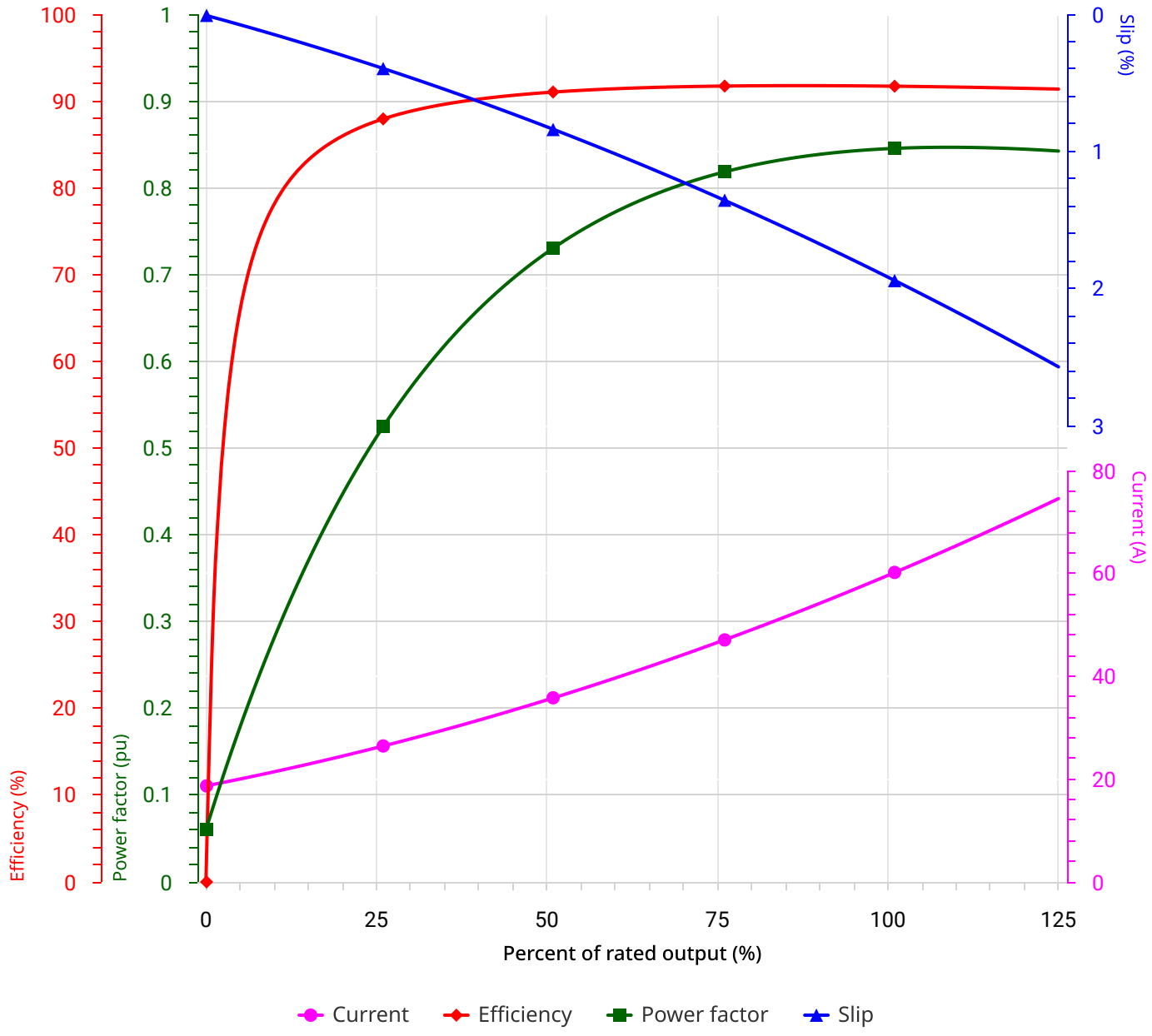
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer	:
Product line	: W40 High Efficiency - Close Coupled Pump JM
Product code	: 16394970



Performance	: 25 HP (18.5 kW) 230/460V 60Hz 4P 284JM

Rated current	: 59.6/29.8 A	Moment of inertia (J)	: 0.1213 kgm²
LRC	: 6.0 Code G	Duty cycle	: Cont.(S1)
Rated torque	: 10.3 kgfm	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.15
Breakdown torque	: 230 %	Temperature rise	: 80 K
Rated speed	: 1765 rpm	Design	: B

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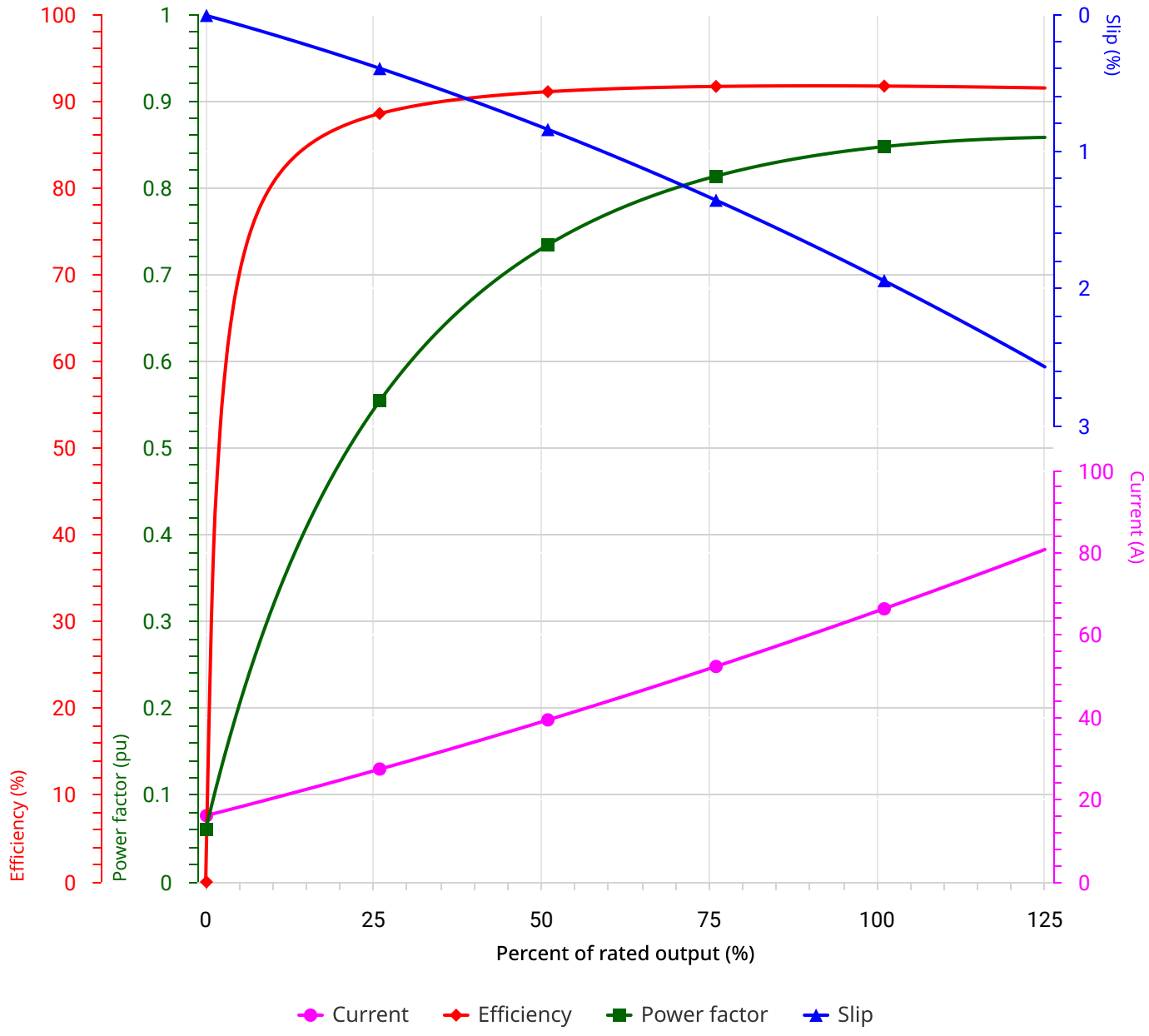
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Three Phase Induction Motor - Squirrel Cage

Customer	:
Product line	: W40 High Efficiency - Close Coupled Pump JM
Product code	: 16394970



Performance	: 25 HP (18.5 kW) 208V 60Hz 4P 284JM

Rated current	: 66.6 A	Moment of inertia (J)	: 0.1213 kgm²
LRC	: 6.0 Code G	Duty cycle	: Cont.(S1)
Rated torque	: 10.0 kgfm	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.15
Breakdown torque	: 225 %	Temperature rise	: 80 K
Rated speed	: 1765 rpm	Design	: 00002

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