DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line		: W40 JP Pump High Efficiend Three-Phase				Product code :	14830112	
		inte	e-F11858		(Catalog # :	03036OP3H W4	HFP284JPV-
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torq Breakdown torqu Insulation class Service factor Moment of inertia	e	: 2 : 60 : 575 : 27.9 : 173 : 6.2 : 8.80 : 354 : 1.6 : 44.9 : 170 : 260 : F : 1.1	HP (22 kW) Hz 5 V 9 A 8 A x(Code G) 0 A 0 rpm 7 % 5 ft.lb 9 % 9 %		Temper Duty cy Ambien Altitude Protecti Cooling Mountin Rotation Starting	t temperature on degree method 9	: 28s (cold) : 80 K : Cont.(S1) : -20°C to + : 1000 m.a. : IP23 : IC01 - OD : W-6	+40°C .s.l.)P / and CCW)
Design		: B	-					
Dutput Efficiency (%) Power Factor	25% 90.0 0.50	50% 90.2 0.74	75% 91.0 0.83	100% 91.0 0.87	Foundation Max. tract Max. com	ion		
Bearing type Sealing		•		1 Z C3		6211 Z C3	0	
Lubrication interv Lubricant amoun Lubricant type Notes			115	learing Seal 517 h 8 g Mol	bil Polyrex	Without Bearing 5 14226 h 11 g EM	Seal	
Lubrication interv Lubricant amoun Lubricant type Notes This revision repla nust be eliminate 1) Looking the m 2) Measured at 1 3) Approximate v nanufacturing pro	t aces and c d. otor from t m and wit veight sub ocess.	the shaft e	previous or end. se of +3dB(A	517 h 8 g Mol	These ar	14226 h 11 g	based on tests wi	
Lubrication interv Lubricant amoun Lubricant type Notes This revision repla nust be eliminate 1) Looking the m 2) Measured at 1 3) Approximate v nanufacturing pro	t aces and c d. otor from t m and wit veight sub ocess.	the shaft e h toleranc ject to cha	previous or end. se of +3dB(A	517 h 8 g Mol	These ar power su	14226 h 11 g EM e average values	based on tests wi	
Lubrication interv Lubricant amoun Lubricant type Notes This revision repla nust be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v nanufacturing pro (4) At 100% of full	t aces and c d. otor from t m and wit veight sub ocess.	the shaft e h toleranc ject to cha	11! 1 previous of end. ce of +3dB(/ anges after	517 h 8 g Mol	These ar power su	14226 h 11 g EM e average values pply, subject to the	based on tests wi e tolerances stipu	lated in NEMA



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Customer : Product line : W40 JP Pump High Efficiency Product code : 14830112 Three-Phase Catalog # : 03036OP3HFP284JPV-W4 TORQUE AND CURRENT VS SPEED CURVE 10 2.7 9 2.4 8 2.1 1.8 6 Current Torque (pu) 5 1.5 ĝ 1.2 0.9 7 0.6 2 0.3 0 0 ò 10 20 30 50 60 70 80 90 100 Percent of synchronous speed ◆ Torque - 1 p.u. = 44.5 ft.lb ◆ Current - 1 p.u. = 27.9 A (575 V) Performance : 575 V 60 Hz 2P Rated current : 27.9 A Moment of inertia (J) : 1.59 sq.ft.lb LRC : 6.2 Duty cycle : Cont.(S1) Insulation class Rated torque : 44.5 ft.lb : F Locked rotor torque : 170 % Service factor : 1.15 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 3540 rpm Design : B Locked rotor time : 28s (cold) 16s (hot) Checked Rev. Performed **Changes Summary** Date Performed by Checked by Revision Page 10/04/2020 2/6 Date

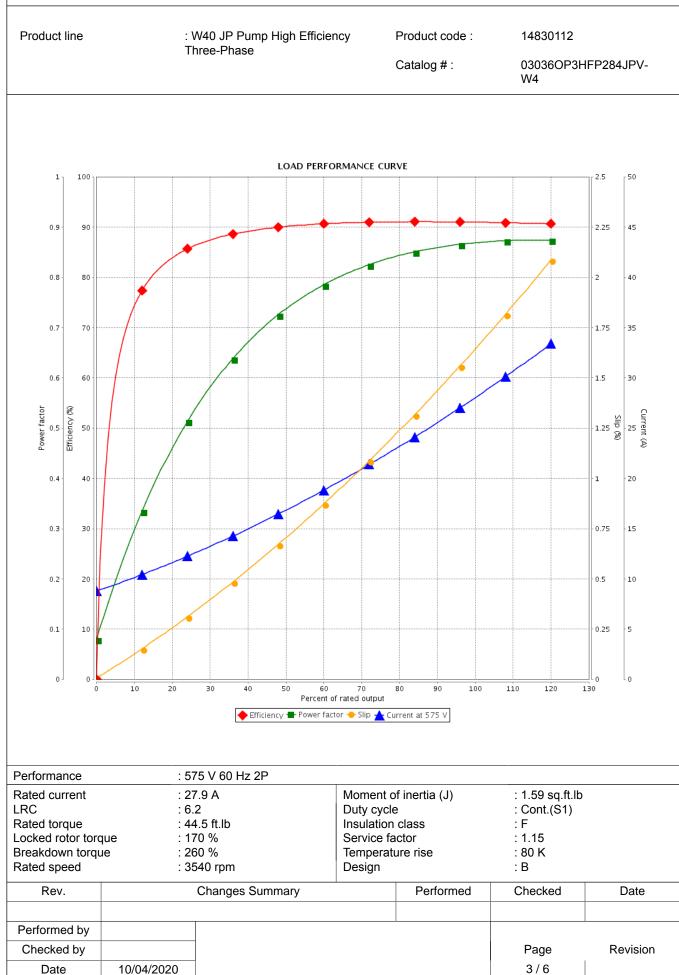
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LOAD PERFORMANCE CURVE

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Customer



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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

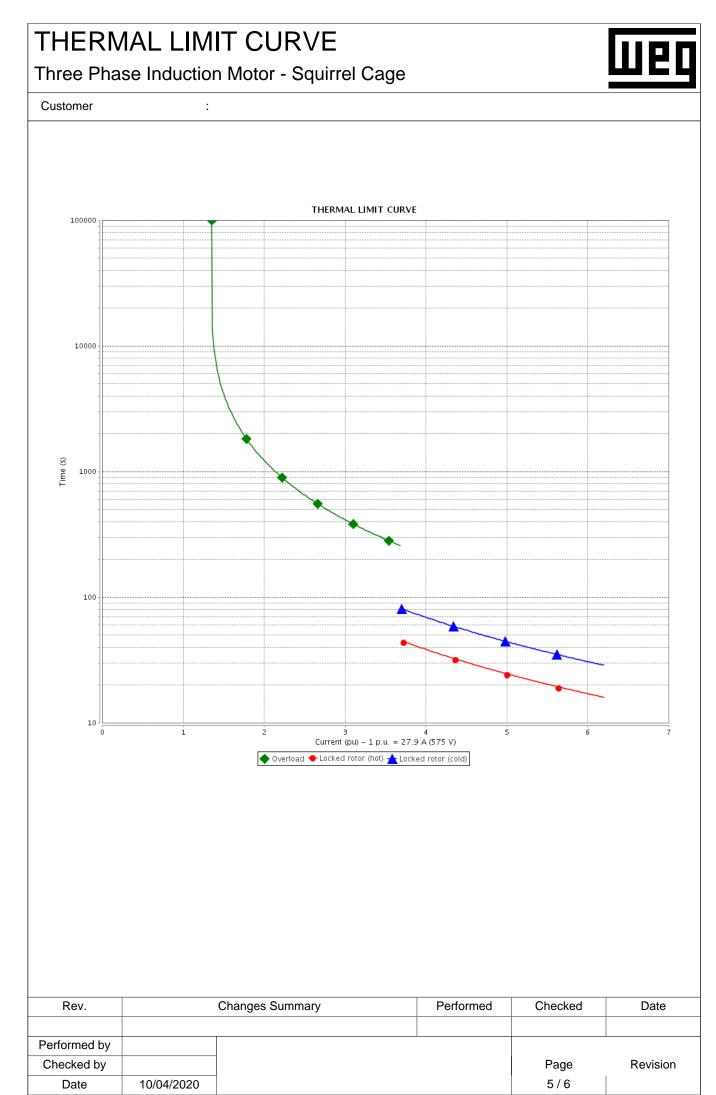
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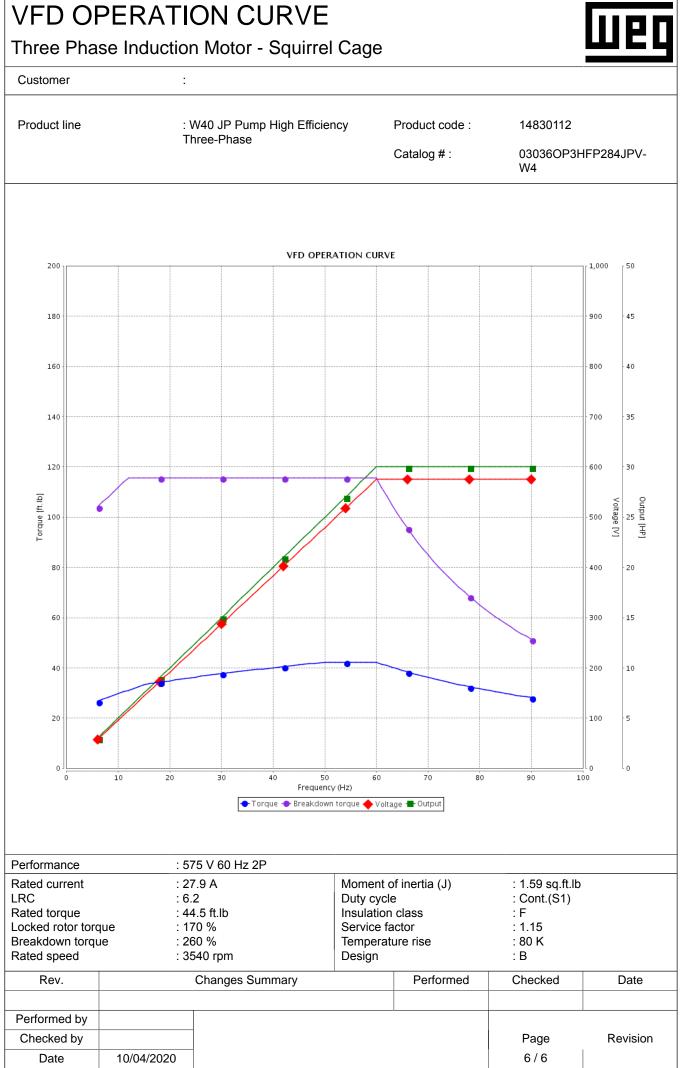
Customer

Product line : W40 JP Pump High Efficiency Product code : 14830112 Three-Phase 03036OP3HFP284JPV-Catalog # : W4 Performance : 575 V 60 Hz 2P Rated current : 27.9 A Moment of inertia (J) : 1.59 sq.ft.lb LRC : 6.2 Duty cycle : Cont.(S1) : 44.5 ft.lb Insulation class : F Rated torque Locked rotor torque : 170 % Service factor : 1.15 : 260 % : 80 K Breakdown torque Temperature rise Rated speed : 3540 rpm Design : B Heating constant Cooling constant Rev. Performed Checked Date **Changes Summary** Performed by Checked by Page Revision 4/6 Date 10/04/2020

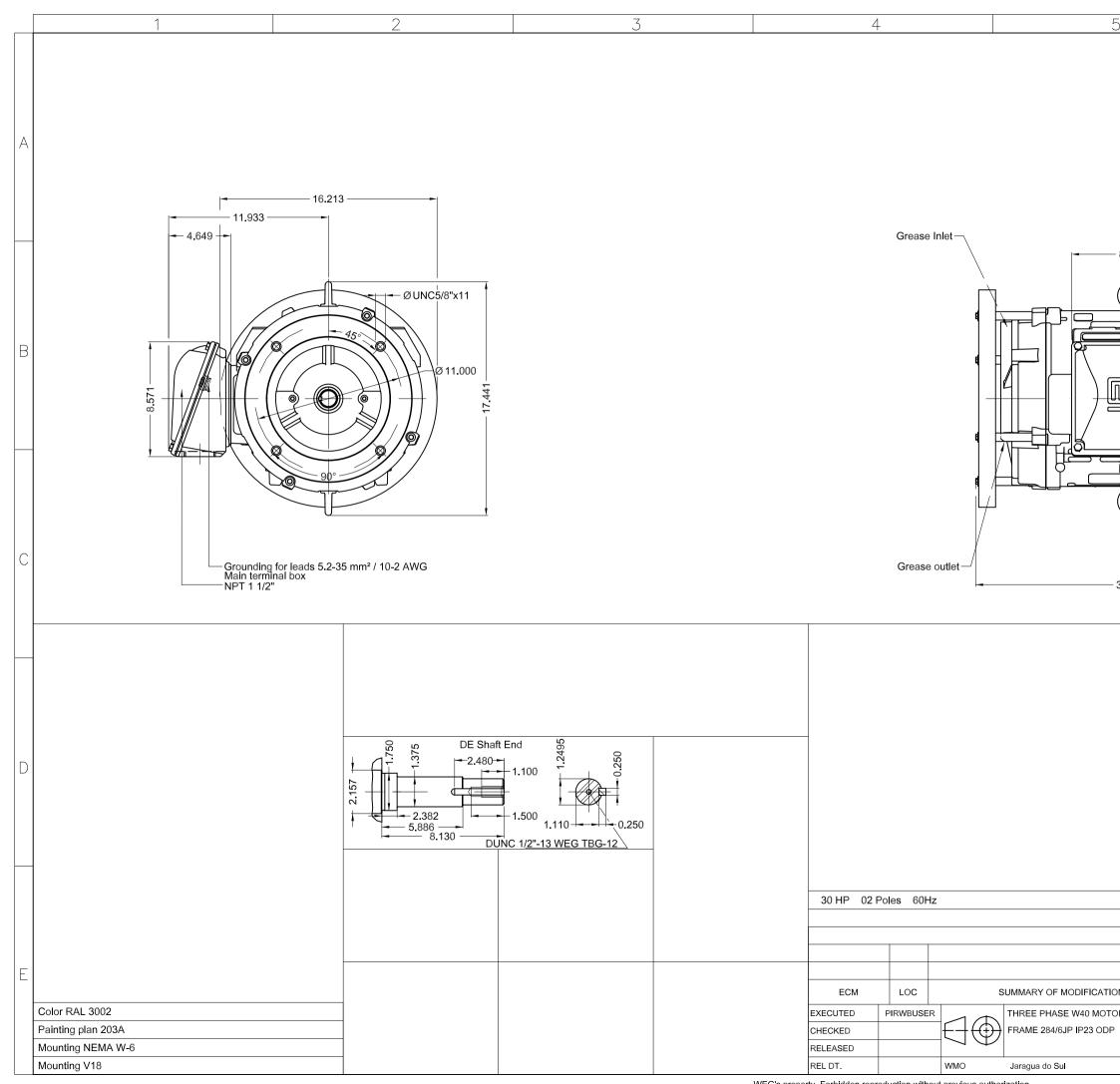
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		0.250		- 8.130		
						Dimensions in inches
					A	
				1:7		
IONS	EXECUTED	CHECKED	RELEASED	DATE	VER	
TOR HIGH EFF		PREVI	EW			
P		WDD		Ше		A3
Product	t Engineering	SHEET	1 / 1			XME

W4	CCO29A Inverter Duty Motor				D	MOD.TO1#FOXOH				For use on PWM, VT 1000:1, CT 3:1, 1.0SF	
030360P3HFP284JPV- MADE IN BRAZIL 14830112	PH 3 FR	284/	6JP	HP(k	_(W) 30(22	2)		Hz 6	50		, ^{T6} , ^{T4} , ^{T5}
HFP28 BRA 112	v 575		A	27.	9			lF	23		JI1 JI2 JI3
360P3H E IN 4830	NEMA NOM	EFF	ç	91.0	%	RPM	3540)			L1 L2 L3 △ 575V
0303 14DE 14	ENCL ODP	DUT	Y (CONT	. I		5. CL.	ΔT	80 H	К	Æ → 6311-Z-C3 MOBIL POLYREX EM
MODEL	PF 0.87			D	des B	COD	e G	AMB	. 40°	С	$\bigoplus^{-6311-Z-C3} \text{ MOBIL POLYREX EM} \rightarrow 6211-Z-C3 18 \text{ g} 11517 \text{ h}$
MO	SF 1.15		SFA 32.	1			ALT	1000	m.a.s	s.l.	324 Lbs