### **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



91.7

Customer

Frame

Insulation class

Ambient temperature

Duty cycle

Altitude

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836813

02518OT3E284JPV-W40 Catalog #:

Cooling method : IC01 - ODP

Mounting : W-6

: Cont.(S1) Rotation<sup>1</sup> : Both (CW and CCW) : -20°C to +40°C

Starting method : Direct On Line

Approx. weight<sup>3</sup> : 373 lb Moment of inertia (J) : 3.71 sq.ft.lb

91.7

: 1000 m.a.s.l. : IP23 Protection degree

: 284/6JP

Design : B

Output [HP]	25	20	20	20
Poles	4	4	4	4
Frequency [Hz]	60	50	50	50
Rated voltage [V]	230/460	380	400	415
Rated current [A]	59.0/29.5	29.5	28.7	28.0
L. R. Amperes [A]	372/186	171	192	190
LRC [A]	6.3x(Code G)	5.8x(Code G)	6.7x(Code H)	6.8x(Code J)

No load current [A]	22.0/11.0	10.0	11.0	12.0
Rated speed [RPM]	1765	1465	1470	1475
Slip [%]	1.94	2.33	2.00	1.67
Rated torque [ft.lb]	74.2	71.4	71.2	71.2
Locked rotor torque [%]	250	229	250	270
Breakdown torque [%]	270	250	290	300
Service factor	1.25	1.00	1.00	1.00
Temperature rise	80 K	80 K	80 K	80 K
Locked rotor time	64s (cold) 36s (hot)	70s (cold) 39s (hot)	64s (cold) 36s (hot)	61s (cold) 34s (hot
Noise level <sup>2</sup>	64.0 dB(A)			
25%	92.8	91.5	91.5	91.5

91.7

L#1010001/10/-1					
Efficiency (%)	75%	93.6	92.1	92.1	92.1
	100%	93.6	92.1	92.1	92.1
	25%	0.45	0.46	0.42	0.38
Power Factor	50%	0.69	0.69	0.65	0.62
rowel raciol	75%	0.80	0.79	0.77	0.74
	100%	0.84	0.84	0.82	0.81

Drive end Non drive end Foundation loads Bearing type 6311 Z C3 6211 Z C3 Max. traction Sealing Without Without

93.0

Bearing Seal Bearing Seal

20000 h 20000 h Lubrication interval Lubricant amount 11 g 18 g Mobil Polyrex EM Lubricant type

Max. compression

Notes

USABLE @208V 65.2A SF 1.15 SFA 75.0A

50%

This revision replaces and cancel the previous one, which must be eliminated.

- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (3) Approximate weight subject to changes after manufacturing process.
- (4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

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#### Three Phase Induction Motor - Squirrel Cage



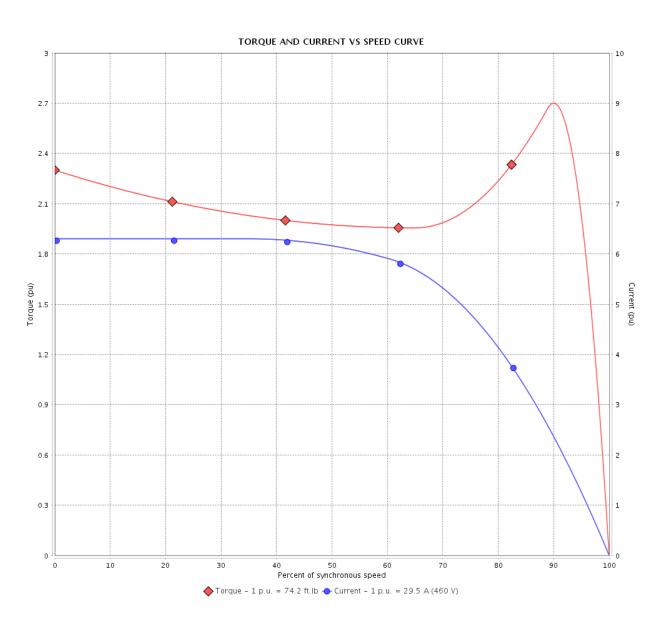
Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836813

Catalog #: 02518OT3E284JPV-W40



Performance : 230/460 V 60 Hz 4P Rated current : 59.0/29.5 A Moment of inertia (J) : 3.71 sq.ft.lb **LRC** : 6.3 Duty cycle : Cont.(S1) : 74.2 ft.lb Insulation class Rated torque : F Locked rotor torque : 250 % Service factor : 1.25 Breakdown torque : 270 % Temperature rise : 80 K Rated speed : 1765 rpm Design : B

Locked rotor time : 64s (cold) 36s (hot)

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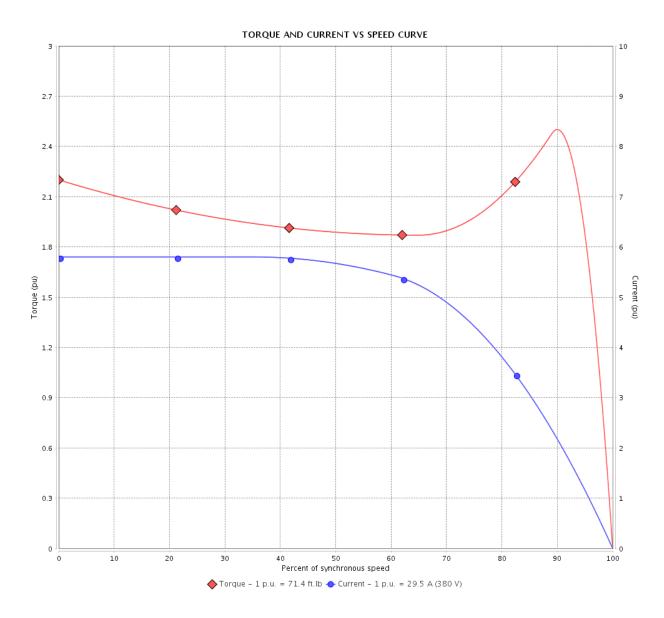
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836813

Catalog #: 02518OT3E284JPV-W40



Performance	: 380 V 50 Hz 4P IE3			
Rated current	: 29.5 A	Moment of inertia (J)	: 3.71 sq.ft.lb	
LRC	: 5.8	Duty cycle	: Cont.(S1)	
Rated torque	: 71.4 ft.lb	Insulation class	: F	
Locked rotor torque	: 229 %	Service factor	: 1.00	
Breakdown torque	: 250 %	Temperature rise	: 80 K	
Rated speed	: 1465 rpm	Design	: B	
Locked rotor time	: 70s (cold) 39s (hot)			

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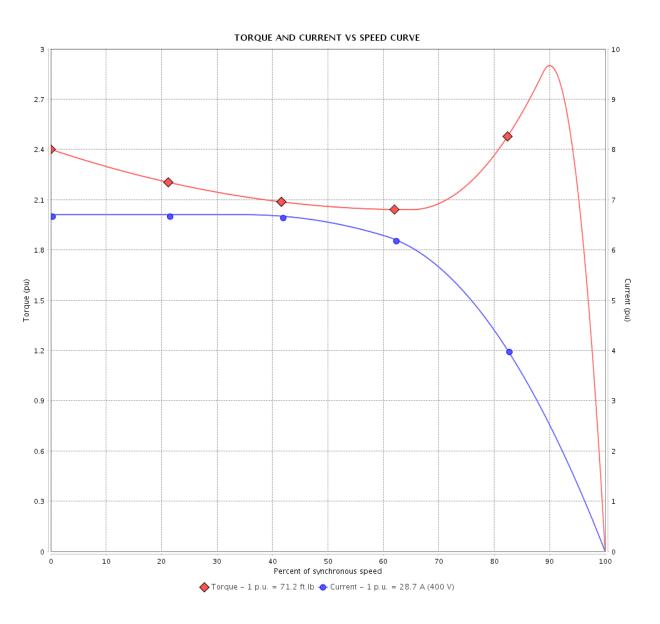
Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836813

Catalog #: 02518OT3E284JPV-W40



Performance : 400 V 50 Hz 4P IE3 Rated current : 28.7 A Moment of inertia (J) : 3.71 sq.ft.lb **LRC** : 6.7 Duty cycle : Cont.(S1) : 71.2 ft.lb Insulation class Rated torque : F Service factor Locked rotor torque : 250 % : 1.00 Breakdown torque : 290 % Temperature rise : 80 K Rated speed : 1470 rpm Design : B

Locked rotor time : 64s (cold) 36s (hot)

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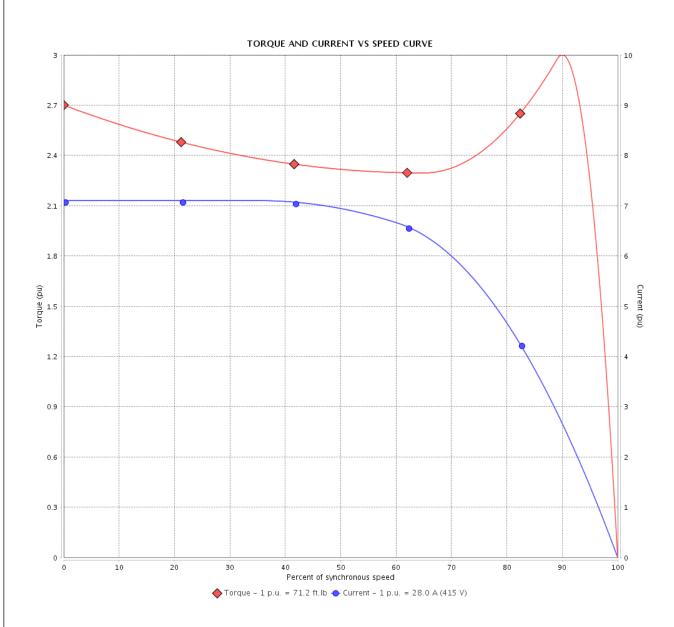


Customer :

Product line : W40 JP Pump NEMA Premium Product code : 14836813

Efficiency Three-Phase

Catalog #: 02518OT3E284JPV-W40



Performance	: 415 V 50 Hz 4P IE3			
Rated current	: 28.0 A	Moment of inertia (J)	: 3.71 sq.ft.lb	
LRC	: 6.8	Duty cycle	: Cont.(S1)	
Rated torque	: 71.2 ft.lb	Insulation class	: F	
Locked rotor torque	: 270 %	Service factor	: 1.00	
Breakdown torque	: 300 %	Temperature rise	: 80 K	
Rated speed	: 1475 rpm	Design	: B	

Locked rotor time : 61s (cold) 34s (hot)

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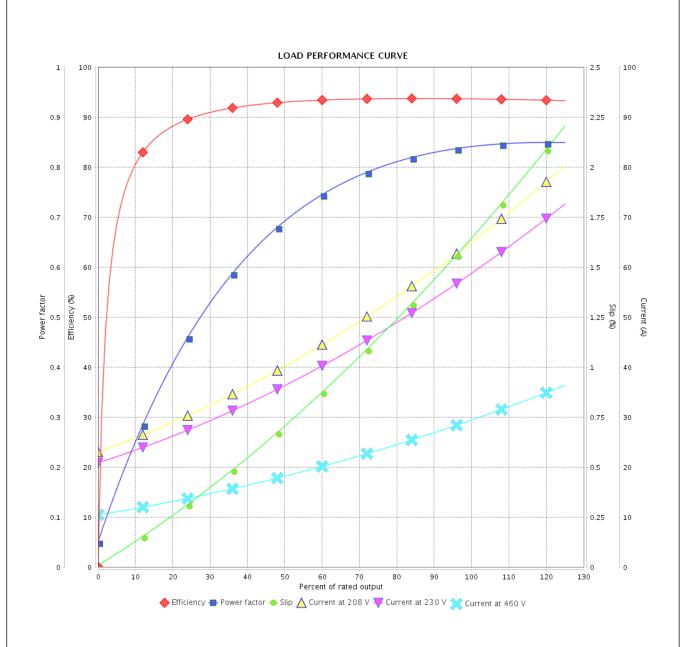
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Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836813

Catalog #: 02518OT3E284JPV-W40



Performance : 230/460 V 60 Hz 4P Rated current : 59.0/29.5 A Moment of inertia (J) : 3.71 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.3 : 74.2 ft.lb Insulation class Rated torque : F Locked rotor torque : 250 % Service factor : 1.25 Breakdown torque : 270 % Temperature rise : 80 K Rated speed : 1765 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

#### Three Phase Induction Motor - Squirrel Cage



Customer

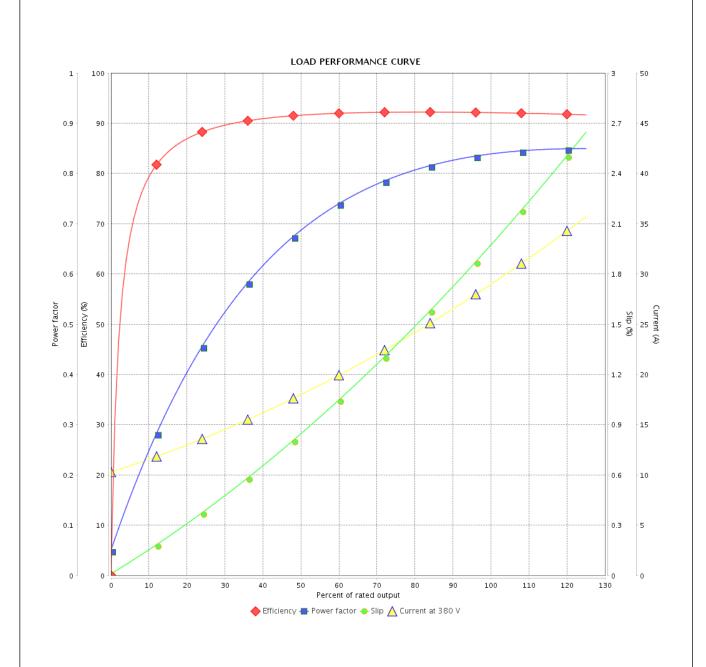
Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836813

Catalog #: 02518OT3E284JPV-W40

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Performance	: 380 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque	: 29.5 A : 5.8 : 71.4 ft.lb : 229 % : 250 %	Moment of iner Duty cycle Insulation class Service factor Temperature ris	8	: 3.71 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K	
Rated speed	: 1465 rpm	Design	30	: B	
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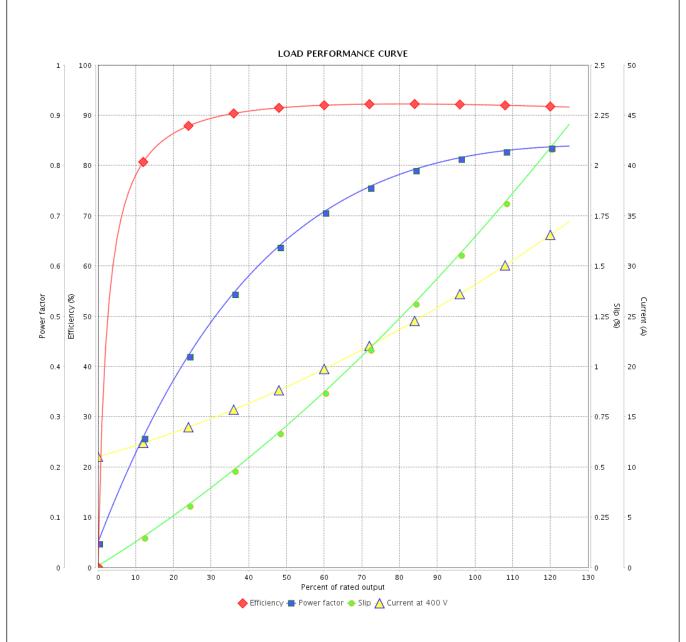
Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836813

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			·			
Performance	: 40	00 V 50 Hz 4P IE3				
Rated current	: 28	8.7 A	Moment of	f inertia (J)	: 3.71 sq.ft.lb	
LRC	: 6.	.7	Duty cycle	)	: Cont.(S1)	
Rated torque	: 7	1.2 ft.lb	Insulation	class	: F	
Locked rotor tord	Locked rotor torque : 250 %		Service fa	Service factor		
Breakdown torqu	ie : 29	90 %	Temperature rise		: 80 K	
Rated speed	: 14	470 rpm	Design		: B	
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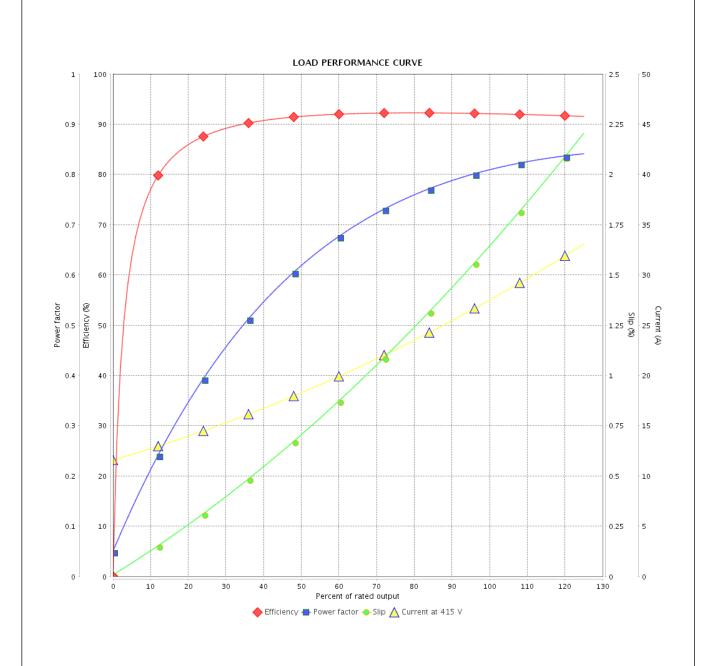
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Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836813

Catalog #: 02518OT3E284JPV-W40



Performance : 415 V 50 Hz 4P IE3 : 28.0 A Rated current Moment of inertia (J) : 3.71 sq.ft.lb **LRC** : 6.8 Duty cycle : Cont.(S1) Insulation class : F Rated torque : 71.2 ft.lb Locked rotor torque : 270 % Service factor : 1.00 Breakdown torque : 300 % Temperature rise : 80 K Rated speed : 1475 rpm Design : B Date Rev. Performed Checked **Changes Summary** Performed by Checked by Revision Page Date 13/04/2022 9/21

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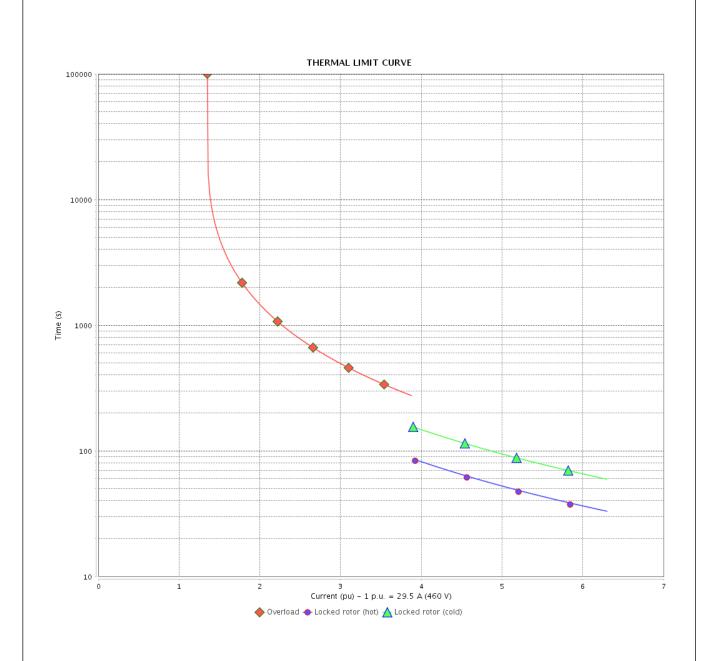


Customer	:				_	
Product line	: \ E:	W40 JP Pump NEMA Prem fficiency Three-Phase		Product code :	14836813 02518OT3E2	34JPV-W40
Performance Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed	: 59 : 6. : 74 ue : 29 e : 27 : 17	30/460 V 60 Hz 4P 9.0/29.5 A 3 4.2 ft.lb 50 % 70 % 765 rpm	Moment of Duty cycle Insulation Service fac Temperatu Design	class	: 3.71 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Heating constant Cooling constant Rev.		Changes Summary		Performed	Checked	Date
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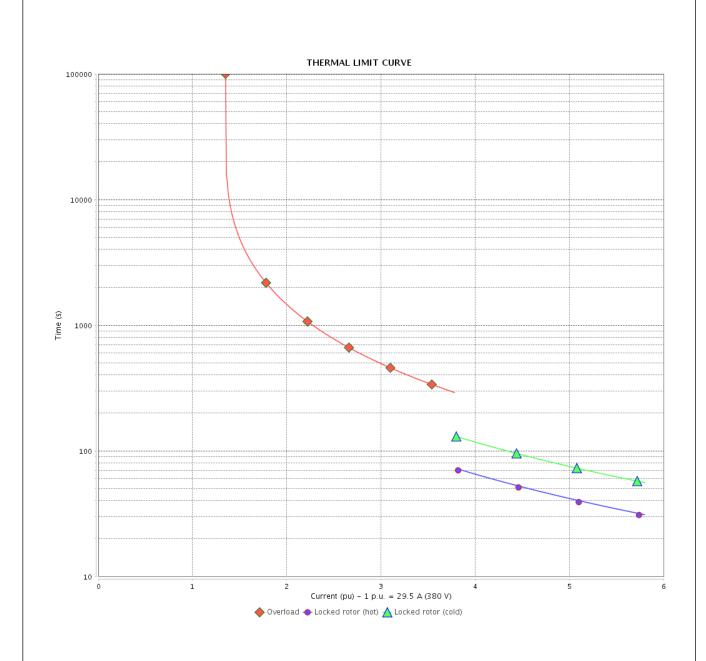


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Product line	: \ E:	W40 JP Pump NEMA Prem fficiency Three-Phase		Product code :	14836813 02518OT3E2	34JPV-W40
Performance Rated current LRC Rated torque Locked rotor torqu Breakdown torqu Rated speed	: 29 : 5. : 7 ue : 22 e : 29	30 V 50 Hz 4P IE3 9.5 A 8 1.4 ft.lb 29 % 50 % 465 rpm	Moment of Duty cycle Insulation Service fac Temperatu Design	class	: 3.71 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
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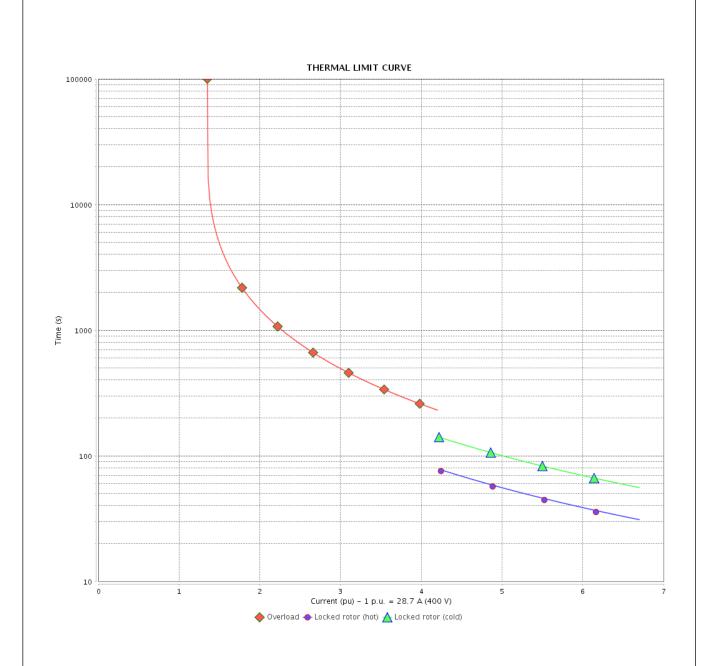


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Product line	: \ E1	W40 JP Pump NEMA Prem fficiency Three-Phase		Product code :	14836813 02518OT3E2	84JPV-W40
Performance Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 28 : 6. : 7' ue : 29 e : 29 : 14	00 V 50 Hz 4P IE3 3.7 A 7 1.2 ft.lb 50 % 90 % 170 rpm	Moment of Duty cycle Insulation Service fac Temperatu Design	class	: 3.71 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant Cooling constant Rev.		Changes Summary		Performed	Checked	Date
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### Three Phase Induction Motor - Squirrel Cage

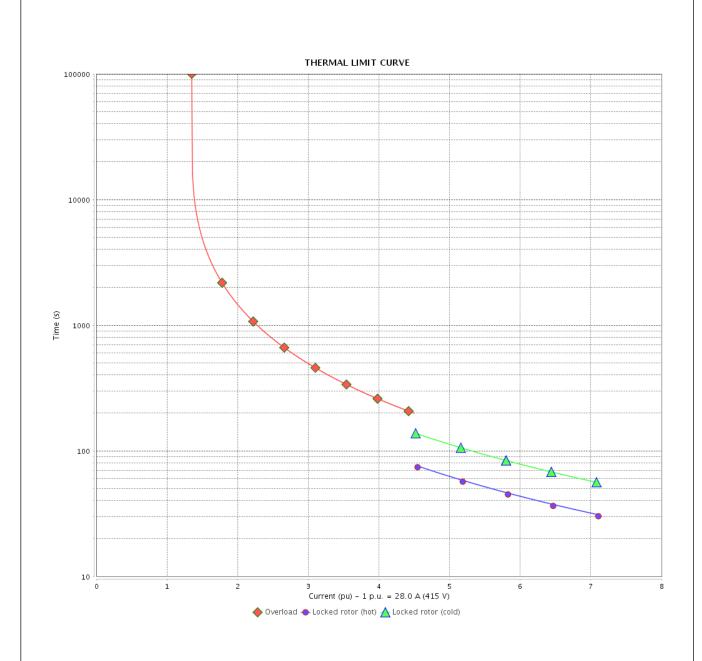


Customer		:				
Product line		: W40 JP Pump NEMA Prem Efficiency Three-Phase		Product code : Catalog # :	14836813 025180T3E28	34JPV-W40
Performance	:	: 415 V 50 Hz 4P IE3				
Rated current LRC Rated torque	:	: 28.0 A : 6.8 : 71.2 ft.lb	Moment o Duty cycle Insulation		: 3.71 sq.ft.lb : Cont.(S1) : F	
Locked rotor tord Breakdown torqu Rated speed	que :	: 270 % : 300 % : 1475 rpm	Service fa Temperati Design	ctor	: 1.00 : 80 K : B	
Heating constant	t	·	J			
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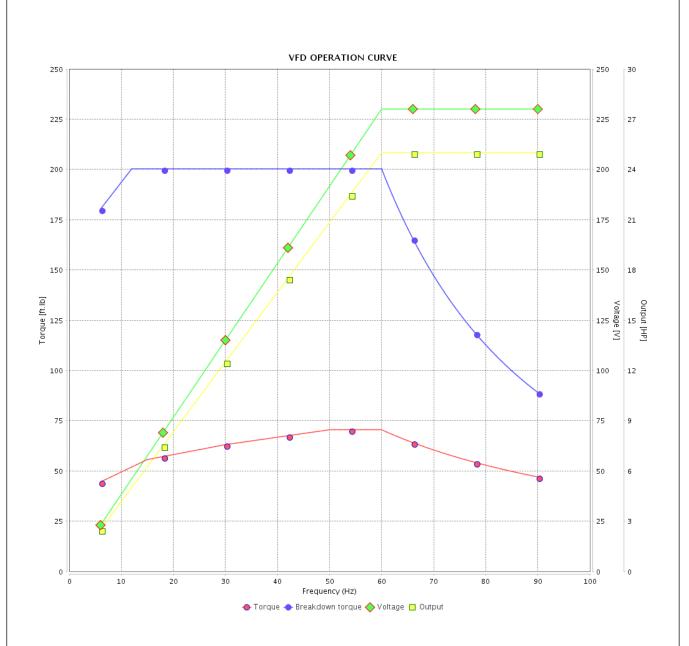
Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836813

Catalog #: 02518OT3E284JPV-W40

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Performance : 230/460 V 60 Hz 4P Rated current : 59.0/29.5 A Moment of inertia (J) : 3.71 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.3 : 74.2 ft.lb Insulation class : F Rated torque Locked rotor torque : 250 % Service factor : 1.25 Breakdown torque : 270 % Temperature rise : 80 K Rated speed : 1765 rpm Design : B Rev. Performed Checked **Changes Summary** Date Performed by Checked by Revision Page

#### Three Phase Induction Motor - Squirrel Cage



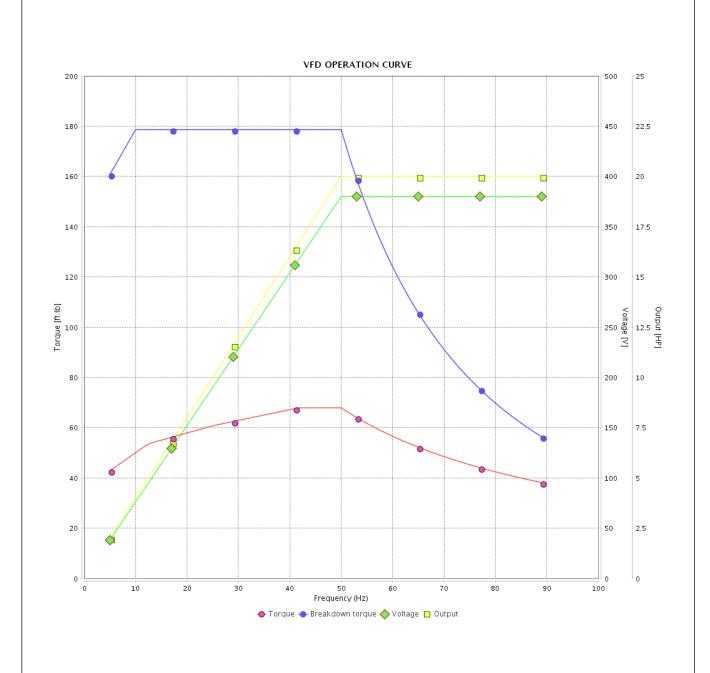
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836813

02518OT3E284JPV-W40 Catalog #:



Performance	: 3	80 V 50 Hz 4P IE3				
Rated current	: 2	9.5 A	Moment o	of inertia (J)	ertia (J) : 3.71 sq.ft.lb	
LRC	: 5.	.8	Duty cycle	•	: Cont.(S1)	
Rated torque	: 7	1.4 ft.lb	Insulation	class	: F	
Locked rotor torqu	ue : 2:	29 %	Service fa	ictor	: 1.00	
Breakdown torque	e : 2	50 %	Temperature rise		: 80 K	
Rated speed	: 14	465 rpm	Design		: B	
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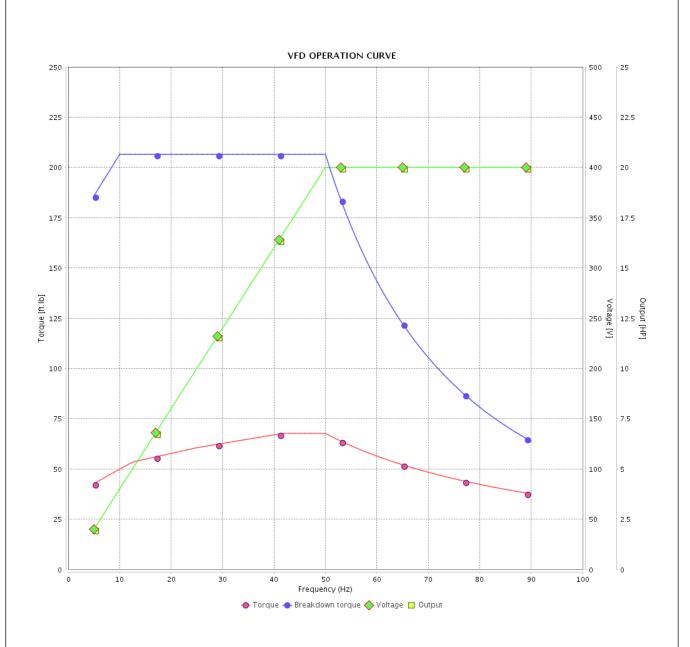
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Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836813

Catalog #: 02518OT3E284JPV-W40



Performance : 400 V 50 Hz 4P IE3 Rated current : 28.7 A Moment of inertia (J) : 3.71 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.7 : 71.2 ft.lb Insulation class : F Rated torque Locked rotor torque : 250 % Service factor : 1.00 Breakdown torque : 290 % Temperature rise : 80 K Rated speed : 1470 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

#### Three Phase Induction Motor - Squirrel Cage



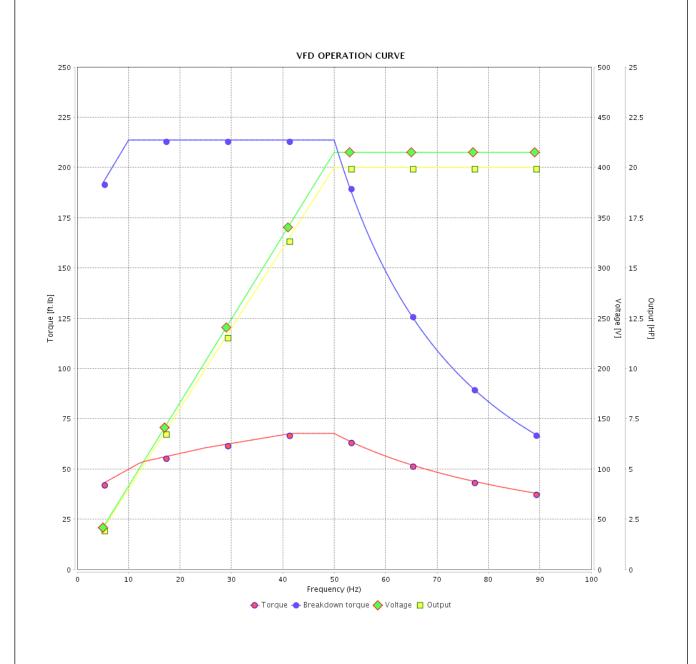
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836813

02518OT3E284JPV-W40 Catalog #:



Performance	: 4	15 V 50 Hz 4P IE3				
Rated current	: 2	3.0 A Moment of		of inertia (J)	: 3.71 sq.ft.lb	
LRC	: 6	.8	Duty cycle	9	: Cont.(S1)	
Rated torque	: 7	1.2 ft.lb	Insulation	class	: F	
Locked rotor torqu	ie : 2°	70 %	Service fa	ictor	: 1.00	
Breakdown torque	: 30	00 %	Temperature rise		: 80 K	
•		475 rpm	Design	Design		
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