DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836794

Catalog #: 06018OT3E364JPV-W40

Frame : 364/5JP

Insulation class : F

Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C

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

Cooling method : IC01 - ODP

Mounting : W-6
Rotation¹ : Both (CW and CCW)

Starting method : Direct On Line

Approx. weight³ : 754 lb

Moment of inertia (J) : 15.6 sq.ft.lb

Design : B Output [HP] 60 50 50 50 Poles 4 4 4 Frequency [Hz] 60 50 50 50 Rated voltage [V] 230/460 380 415 400 Rated current [A] 140/69.9 66.9 69.6 65.3 L. R. Amperes [A] 909/454 473 482 457 6.8x(Code G) 7.2x(Code H) 7.0x(Code H) LRC [A] 6.5x(Code G) No load current [A] 49.4/24.7 24.4 26.2 27.7 Rated speed [RPM] 1780 1480 1480 1485 Slip [%] 1.11 1.33 1.33 1.00 Rated torque [ft.lb] 177 177 177 177 Locked rotor torque [%] 200 200 220 240 Breakdown torque [%] 240 229 250 270 Service factor 1.25 1.00 1.00 1.00 Temperature rise 80 K 80 K 80 K 80 K Locked rotor time 34s (cold) 19s (hot) 32s (cold) 18s (hot) 30s (cold) 17s (hot) 28s (cold) 16s (hot) Noise level² 69.0 dB(A) 25% 94.4 93.4 93.4 93.4 50% 94.5 93.5 93.5 93.5 Efficiency (%) 75% 93.9 93.9 93.9 95.0 93.9 100% 95.0 93.9 93.9 0.42 25% 0.48 0.49 0.45 50% 0.74 0.73 0.71 0.68 Power Factor 75% 0.79 0.82 0.83 0.81 100% 0.85 0.86 0.85 0.84

<u>Drive end</u> <u>Non drive end</u> Foundation loads

Bearing Seal

Bearing type : 6314 C3 6212 Z C3 Max. traction : 1259 lb Sealing : Without Without Max. compression : 2013 lb

Bearing Seal

Lubrication interval:19579 h20000 hLubricant amount:27 g13 gLubricant type:Mobil Polyrex EM

Notes

USABLE @208V 155A SF 1.15 SFA 178A

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



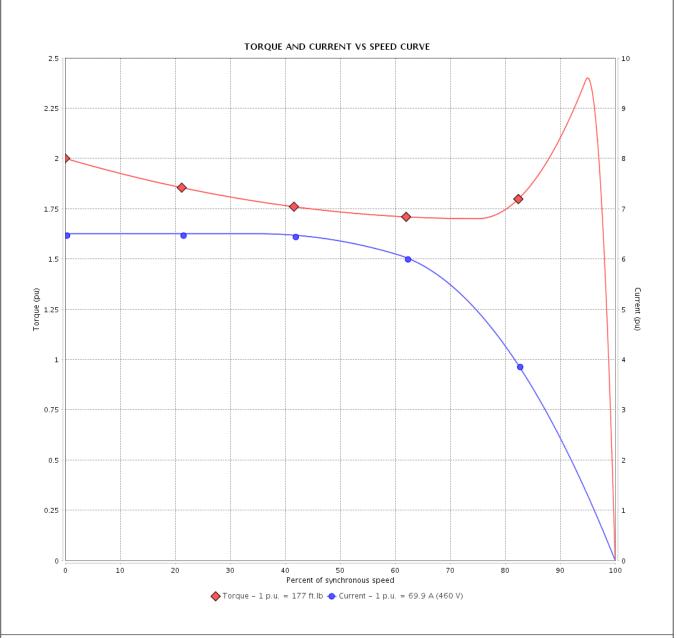
Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836794

Catalog #: 06018OT3E364JPV-W40



Performance : 230/460 V 60 Hz 4P Rated current : 140/69.9 A Moment of inertia (J) : 15.6 sq.ft.lb **LRC** : 6.5 Duty cycle : Cont.(S1) : 177 ft.lb Insulation class Rated torque : F Service factor Locked rotor torque : 200 % : 1.25 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 1780 rpm Design : B

Locked rotor time : 34s (cold) 19s (hot)

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Three Phase Induction Motor - Squirrel Cage

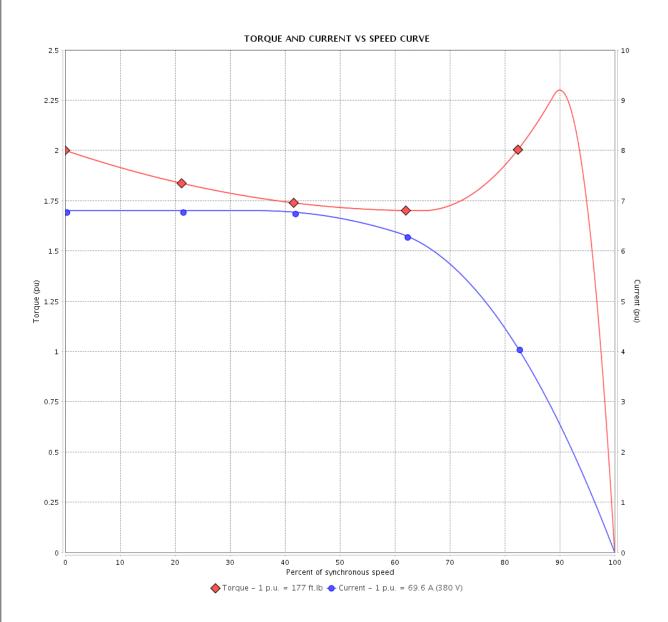


Customer :

Product line : W40 JP Pump NEMA Premium Product code : 14836794

Efficiency Three-Phase

Catalog # : 06018OT3E364JPV-W40



Performance : 380 V 50 Hz 4P IE3 Rated current : 69.6 A Moment of inertia (J) : 15.6 sq.ft.lb **LRC** : 6.8 Duty cycle : Cont.(S1) : 177 ft.lb Insulation class : F Rated torque : 1.00 Locked rotor torque : 200 % Service factor : 80 K Breakdown torque : 229 % Temperature rise : B Rated speed : 1480 rpm Design

Locked rotor time : 32s (cold) 18s (hot)

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Three Phase Induction Motor - Squirrel Cage



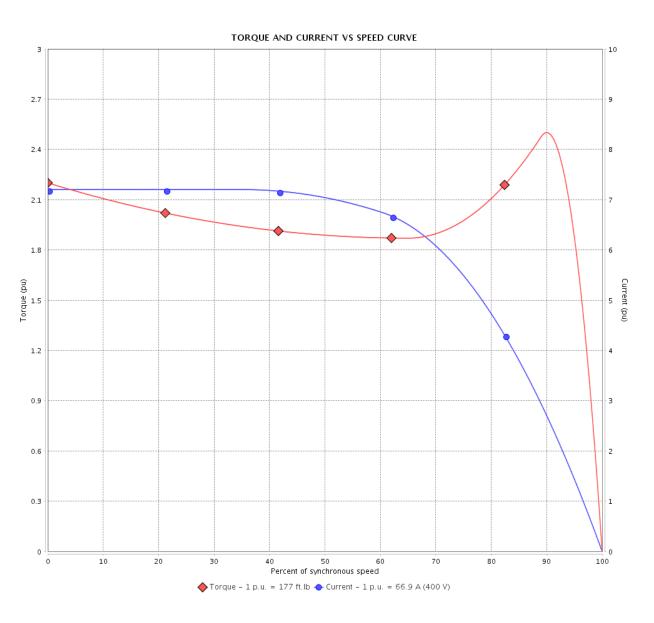
Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836794

Catalog #: 06018OT3E364JPV-W40



Performance : 400 V 50 Hz 4P IE3 Rated current : 66.9 A Moment of inertia (J) : 15.6 sq.ft.lb **LRC** : 7.2 Duty cycle : Cont.(S1) : 177 ft.lb Insulation class Rated torque : F Service factor Locked rotor torque : 220 % : 1.00 Breakdown torque : 250 % Temperature rise : 80 K Rated speed : 1480 rpm Design : B

Locked rotor time : 30s (cold) 17s (hot)

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Three Phase Induction Motor - Squirrel Cage



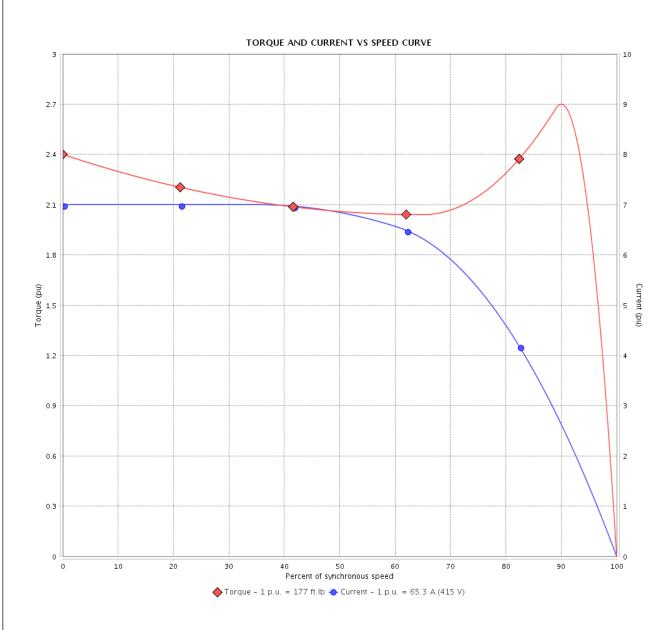
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836794

Catalog #: 06018OT3E364JPV-W40



| Performance | : 415 V 50 Hz 4P IE3 | | | |
|---------------------|------------------------|-----------------------|-----------------|--|
| Rated current | : 65.3 A | Moment of inertia (J) | : 15.6 sq.ft.lb | |
| LRC | : 7.0 | Duty cycle | : Cont.(S1) | |
| Rated torque | : 177 ft.lb | Insulation class | : F | |
| Locked rotor torque | : 240 % | Service factor | : 1.00 | |
| Breakdown torque | : 270 % | Temperature rise | : 80 K | |
| Rated speed | : 1485 rpm | Design | : B | |
| Locked rotor time | : 28s (cold) 16s (hot) | | | |

| LOCKEU TOLOT LITTLE | . 20 | os (cola) Tos (Hot) | | | |
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Customer :

Date

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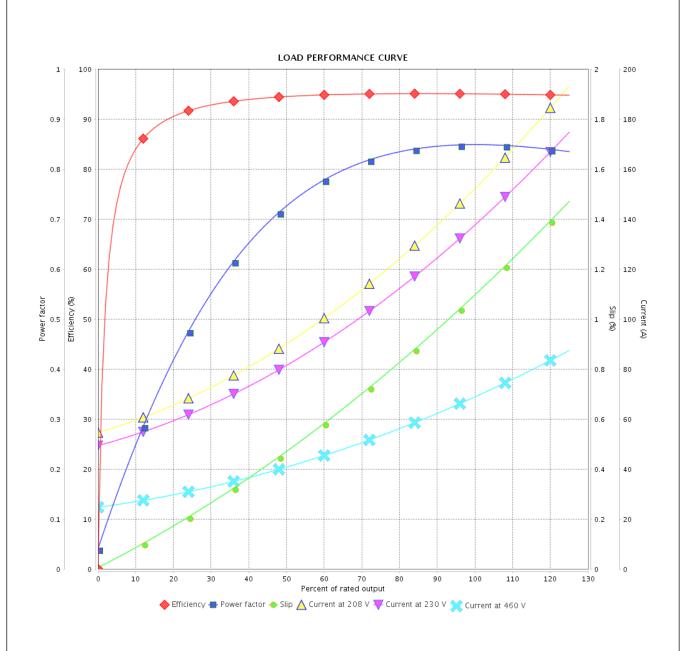
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Efficiency Three-Phase

Product code: 14836794

Catalog # : 06018OT3E364JPV-W40

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Performance : 230/460 V 60 Hz 4P : 140/69.9 A Rated current Moment of inertia (J) : 15.6 sq.ft.lb **LRC** Duty cycle : 6.5 : Cont.(S1) Insulation class Rated torque : 177 ft.lb : F Locked rotor torque : 200 % Service factor : 1.25 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 1780 rpm Design : B Rev. Performed Checked **Changes Summary** Date Performed by Checked by Revision Page

Three Phase Induction Motor - Squirrel Cage



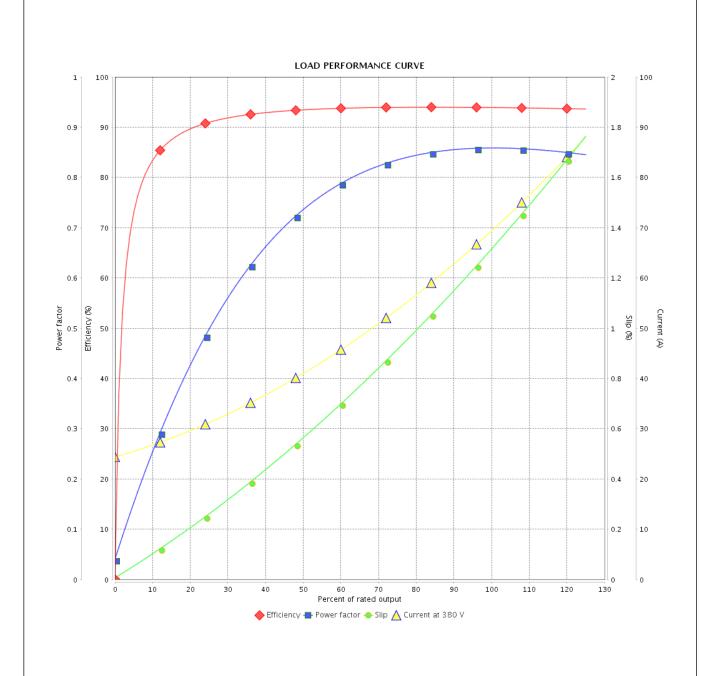
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836794

Catalog #: 06018OT3E364JPV-W40



| Performance : 380 V 50 Hz 4P IE3 | | | | | | |
|----------------------------------|------------|----------------|------------|-----------------------|-------------|----------|
| Rated current : | | 9.6 A | Moment of | Moment of inertia (J) | | |
| LRC | : 6 | .8 | Duty cycle | 9 | : Cont.(S1) | |
| Rated torque : | | 77 ft.lb | Insulation | class | : F | |
| Locked rotor torque | | 00 % | Service fa | ector | : 1.00 | |
| Breakdown torque | : 2 | 29 % | Temperat | Temperature rise | | |
| Rated speed | : 1 | 80 rpm Design | | : B | | |
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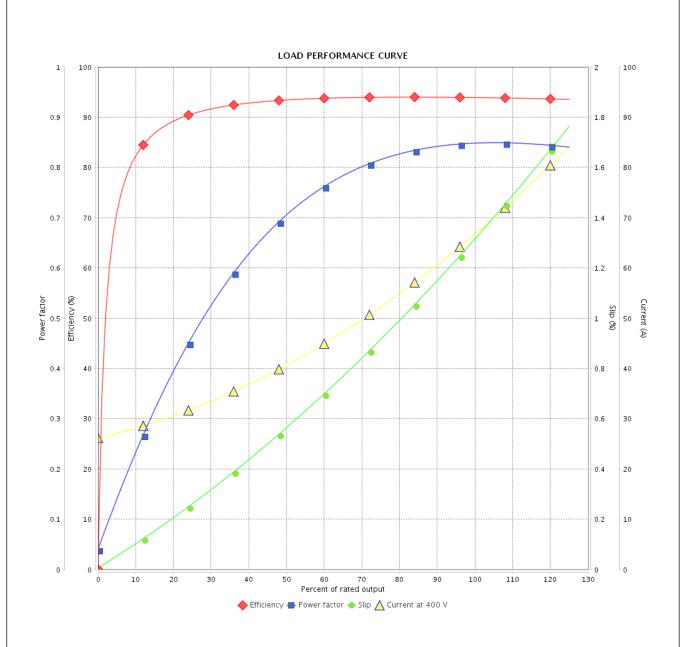
Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836794

Catalog #: 06018OT3E364JPV-W40

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| Performance | : 400 V 50 Hz 4P IE3 | | | | |
|---------------------|----------------------|-----------------------------|-----------|--------------------|----------|
| Rated current | : 66.9 A | | | : 15.6 sq.ft.lb | |
| LRC Rated torque | : 7.2 : 177 ft.lb | Duty cycle Insulation cl | ass | : Cont.(S1) : F | |
| Locked rotor torque | : 220 % | Service factor | | : 1.00 | |
| Breakdown torque | : 250 % | Temperature rise | | : 80 K | |
| Rated speed | : 1480 rpm | Design | | : B | |
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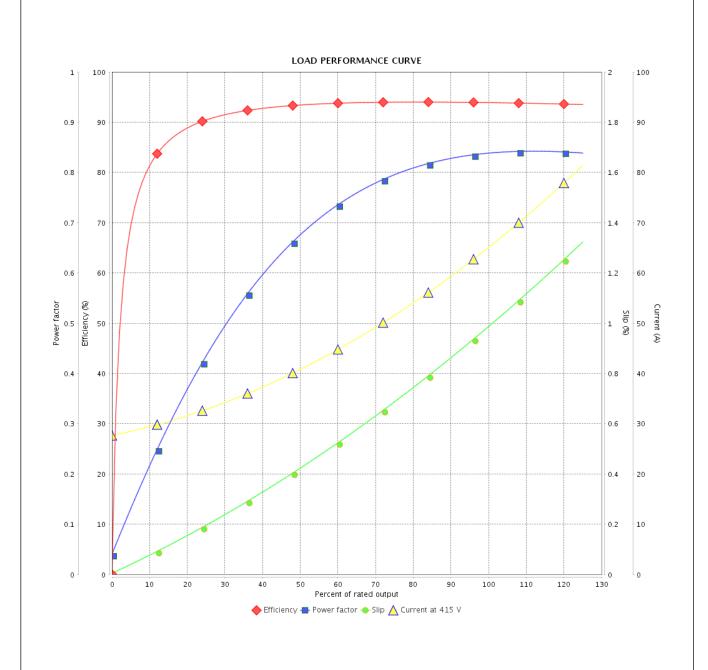
Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836794

Catalog #: 06018OT3E364JPV-W40

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| Performance | : 415 V 50 Hz 4P IE3 | | | | |
|---------------------|----------------------|--|---------------|-----------------|----------|
| Rated current | : 65.3 A | Moment of | f inertia (J) | : 15.6 sq.ft.lb | |
| LRC | : 7.0 | Duty cycle | 9 | : Cont.(S1) | |
| Rated torque | : 177 ft.lb | Insulation | class | : F | |
| Locked rotor torque | : 240 % | Service factor Temperature rise Design | | : 1.00 | |
| Breakdown torque | : 270 % | | | se : 80 K | |
| Rated speed | : 1485 rpm | | | : B | |
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Three Phase Induction Motor - Squirrel Cage

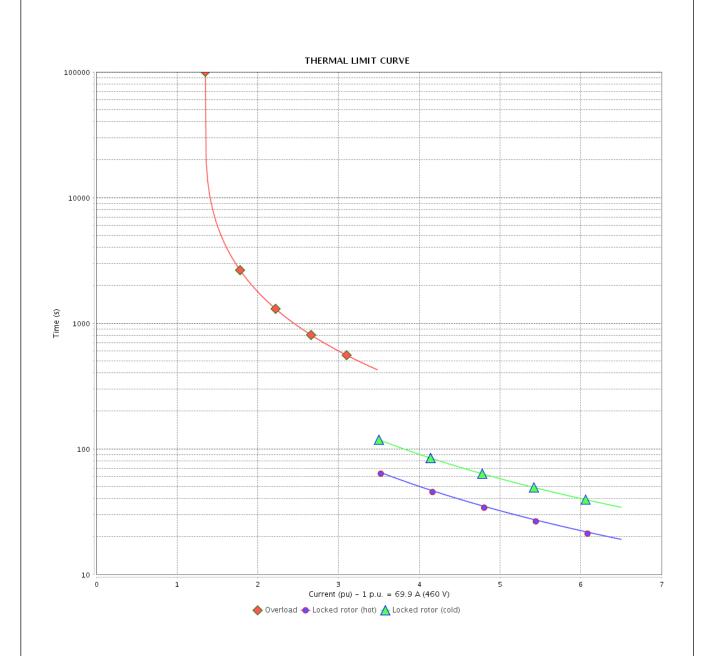


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| Product line | : \ Et | N40 JP Pump NEMA Prem fficiency Three-Phase | | Product code : | 14836794 06018OT3E36 | 64JPV-W40 |
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| Performance | : 23 | 30/460 V 60 Hz 4P | | | | |
| Rated current LRC | : 6. | | Moment of Duty cycle | | : 15.6 sq.ft.lb : Cont.(S1) | |
| Rated torque | | 77 ft.lb | Insulation | class | : F | |
| Locked rotor torque Breakdown torque | | 00 % 40 % | Service fac Temperatu | | : 1.25 : 80 K | |
| Rated speed | | 780 rpm | Design | 113 C | : B | |
| Heating constant Cooling constant | | | | | | |
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Three Phase Induction Motor - Squirrel Cage



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Three Phase Induction Motor - Squirrel Cage

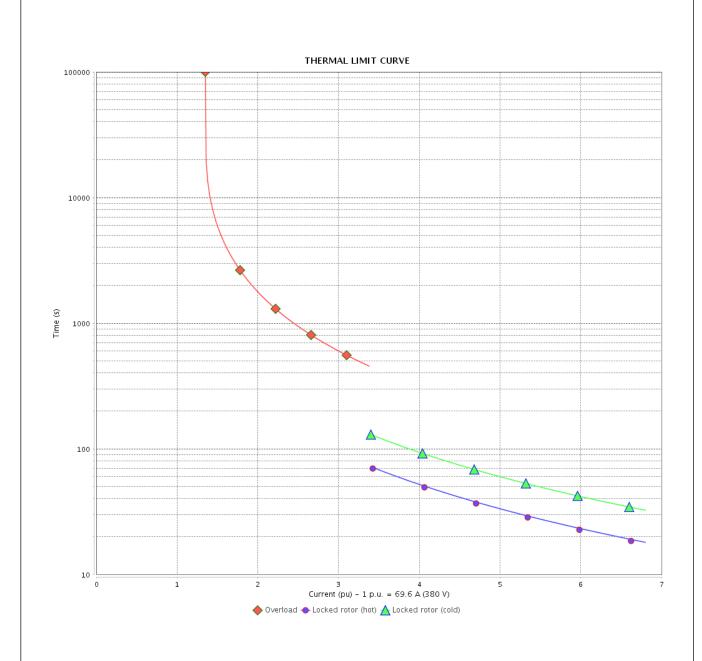


| Customer | : | | | | | |
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| Product line | : E | W40 JP Pump NEMA Prem fficiency Three-Phase | | Product code : Catalog # : | 14836794 06018OT3E36 | 64JPV-W40 |
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| Performance | | 80 V 50 Hz 4P IE3 | Mamont | Finantia (I) | . 15 6 og ft lb | |
| Rated current LRC | : 6 | 9.6 A 5.8 | Duty cycle | f inertia (J) | : 15.6 sq.ft.lb : Cont.(S1) | |
| Rated torque | : 1 | 77 ft.lb | Insulation | class | : F | |
| Locked rotor tord Breakdown torqu | | 00 % 29 % | Service fac Temperatu | | : 1.00 : 80 K | |
| Rated speed | | 29 % 480 rpm | Design | 110 C | : B | |
| Heating constant | | | | | | |
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Three Phase Induction Motor - Squirrel Cage



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Three Phase Induction Motor - Squirrel Cage

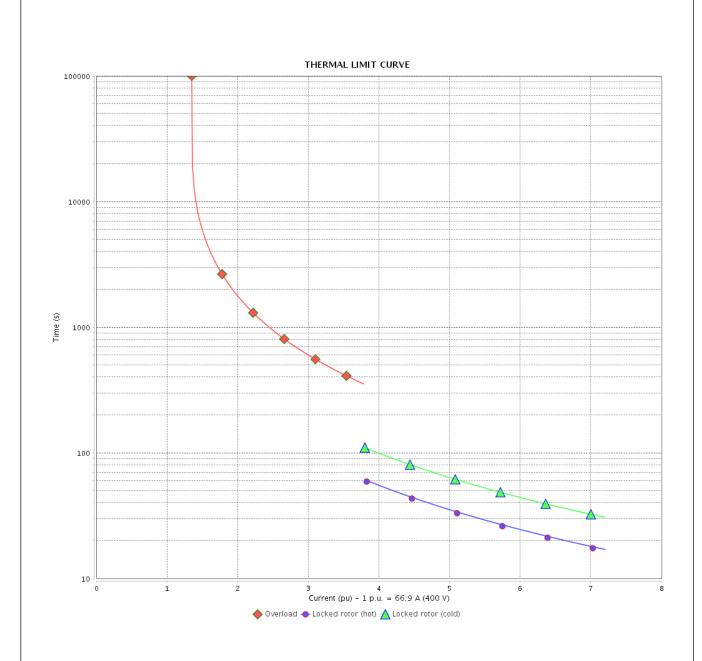


| Customer | : | | | | | |
|--------------------------------------|------------|---|--------------------------|----------------|-------------------------|-----------|
| Product line | : E | W40 JP Pump NEMA Prem :fficiency Three-Phase | | Product code : | 14836794 06018OT3E36 | 64JPV-W40 |
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| Domformana | | 00 V 50 Hz 4P IE3 | | | | |
| Performance Rated current | | 6.9 A | Moment of | finertia (I) | : 15.6 sq.ft.lb | |
| LRC | : 7 | .2 | Duty cycle | | : Cont.(S1) | |
| Rated torque | | 77 ft.lb | Insulation | class | : F | |
| Locked rotor tord Breakdown torqu | | 20 % 50 % | Service fac Temperatu | | : 1.00 : 80 K | |
| Rated speed | | 480 rpm | Design | | : B | |
| Heating constant | | | | | | |
| Cooling constant | ι | Changes Summary | | Performed | Checked | Date |
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Three Phase Induction Motor - Squirrel Cage



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Three Phase Induction Motor - Squirrel Cage

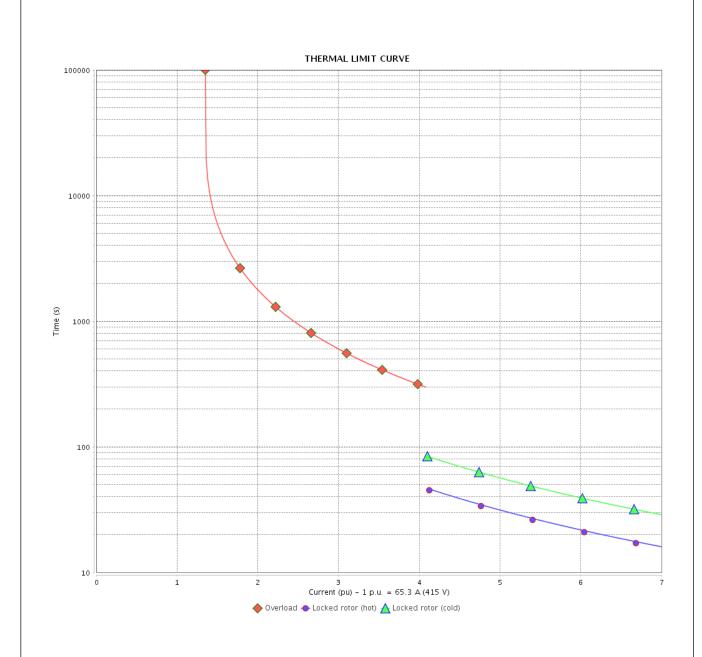


| Customer | : | | | | |
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| Product line | : W40 JP Pum Efficiency Thre | p NEMA Premium ee-Phase | Product code : Catalog # : | 14836794 06018OT3E3 | 64JPV-W40 |
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| Performance Rated current | : 415 V 50 Hz 4 : 65.3 A | | of inertia (J) | : 15.6 sq.ft.lb | |
| LRC | : 7.0 | Duty cycl | е | : Cont.(S1) | |
| Rated torque Locked rotor torque | : 177 ft.lb : 240 % | Insulation Service fa | | : F : 1.00 | |
| Breakdown torque | : 270 % | Temperat | | : 80 K | |
| Rated speed | : 1485 rpm | Design | | : B | |
| Heating constant | | | | | |
| Cooling constant | Channa Ca | ımmorı/ | Dontonossa | Chaolaad | Data |
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Three Phase Induction Motor - Squirrel Cage



Customer



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Three Phase Induction Motor - Squirrel Cage



Customer :

Date

12/04/2022

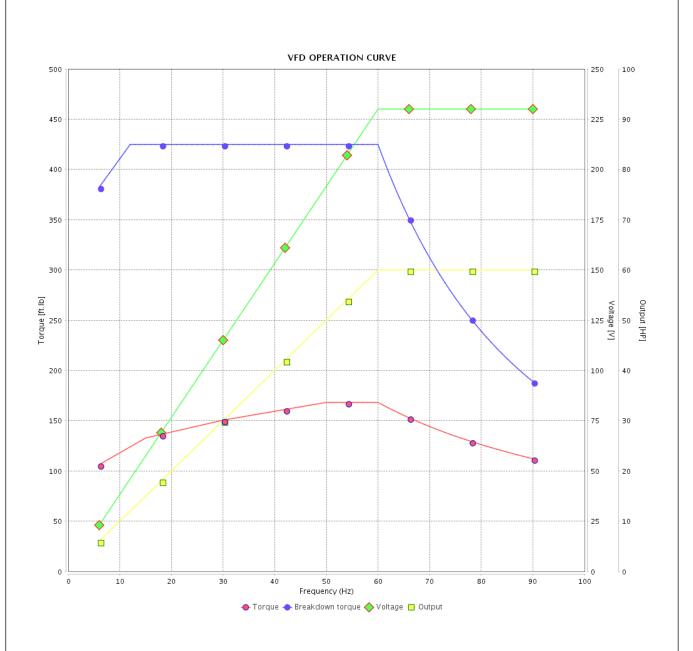
Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836794

Catalog #: 06018OT3E364JPV-W40

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Performance : 230/460 V 60 Hz 4P : 140/69.9 A Rated current Moment of inertia (J) : 15.6 sq.ft.lb **LRC** Duty cycle : 6.5 : Cont.(S1) Insulation class : 177 ft.lb : F Rated torque Locked rotor torque : 200 % Service factor : 1.25 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 1780 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Checked by Revision Page

Three Phase Induction Motor - Squirrel Cage



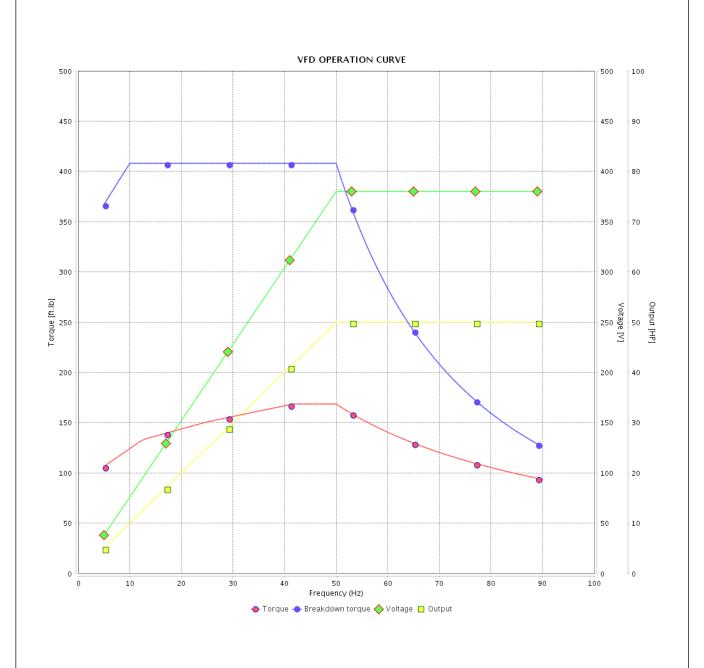
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836794

06018OT3E364JPV-W40 Catalog #:



| Performance | : 3 | 80 V 50 Hz 4P IE3 | | | | |
|--------------------|------------|-------------------|------------|-----------------------|-------------|----------|
| Rated current : 0 | | 9.6 A | Moment o | Moment of inertia (J) | | |
| LRC : 6.8 | | 5.8 | Duty cycle |) | : Cont.(S1) | |
| Rated torque | | | class | : F | | |
| Locked rotor torqu | • | | ctor | : 1.00 | | |
| Breakdown torque | | 29 % | Temperati | Temperature rise | | |
| Rated speed | : 1 | 480 rpm | Design | | : B | |
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Three Phase Induction Motor - Squirrel Cage



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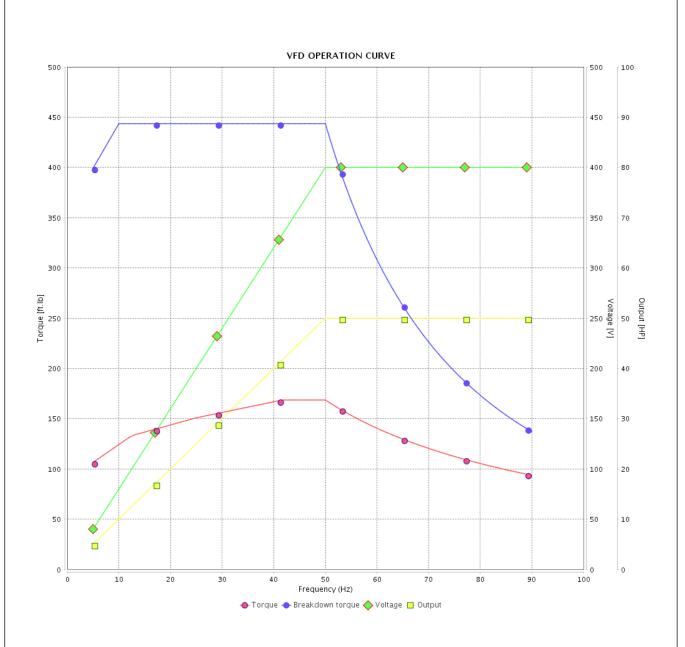
Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836794

Catalog #: 06018OT3E364JPV-W40

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| Performance | : 400 V 50 Hz 4P IE3 | | | | |
|---|--|--|----------------|---|----------|
| Rated current LRC Rated torque Locked rotor torque Breakdown torque | : 66.9 A : 7.2 : 177 ft.lb : 220 % : 250 % | Duty cycle Insulation Service fa Temperat | class ector | : 15.6 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K | |
| Rated speed | : 1480 rpm | Design | | : B | |
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Date

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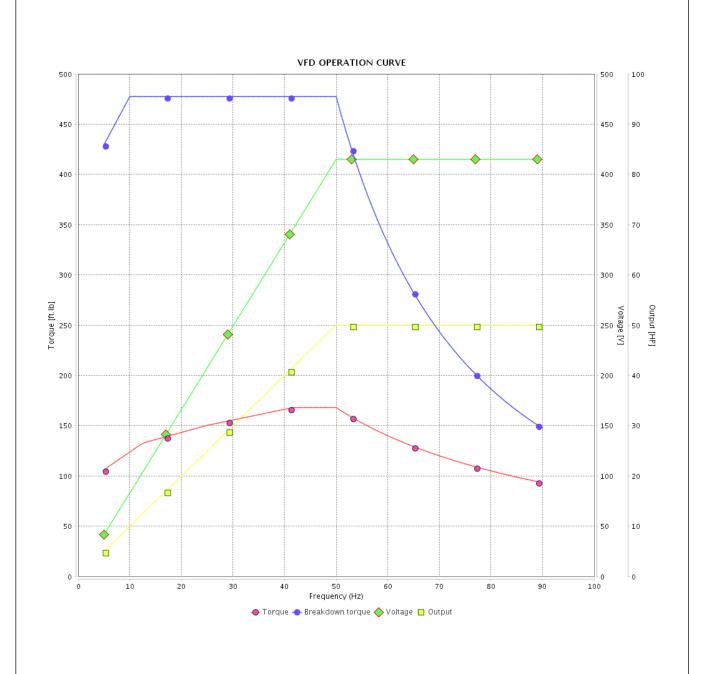
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14836794

Catalog #: 06018OT3E364JPV-W40



| Performance | : 4 | 15 V 50 Hz 4P IE3 | | | | |
|---------------------|------------|-------------------|------------|-----------------------|-------------|----------|
| Rated current : 65. | | 5.3 A | Moment of | Moment of inertia (J) | | |
| LRC | : 7 | .0 | Duty cycle | ; | : Cont.(S1) | |
| Rated torque | : 1 | 77 ft.lb | Insulation | class | : F | |
| Locked rotor torqu | ue : 2 | 40 % | Service fa | ctor | : 1.00 | |
| | | 70 % | Temperati | Temperature rise | | |
| Rated speed | | 485 rpm | Design | Design | | |
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