



پتروشیمی توسعه پارک
سنگت گوهر افق



PJP
PADJAM

Toase-eh Park Sanati Gohar Ofogh Petrochemical Co.

**CONCEPTUAL, BASIC and DETAIL DESIGN
ENGINEERING OF STYRENE PARK OFFSITE**

ENBR
TEKNOLOJI



Document Title: Electrical Load List

Document No. : EI027-DMF-VD-EL-LST-020

Rev.: R0

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STYRENE PARK OFFSITE

Document Title:

Electrical Load List

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| R0 | 19-Aug-24 | IFA | Y.GHEREKHLLOU | J.BEIGLOU | A.GHOLIZADEH |
| Rev. | Issued Date | DESCRIPTION | PREPARED | CHECKED | APPROVED |



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|------|-----------|----|----|----|----|----|----|------|-----------|----|----|----|----|----|----|
| | R0 | R1 | R2 | R3 | R4 | R5 | R6 | | R0 | R1 | R2 | R3 | R4 | R5 | R6 |
| 1 | X | | | | | | | 41 | | | | | | | |
| 2 | X | | | | | | | 42 | | | | | | | |
| 3 | X | | | | | | | 43 | | | | | | | |
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| ITEM | REV. | TAG NO. | Description | Load Type | Load Statude | Operating Type | Voltage Type | Voltage (V) | Frequency (Hz) | Mechanical Absorbed Power (KW) | Rotor Shaft Power @Min Temp | API 661 Factor (part: 7.2.7.1.2) | Absorbed Power (KW) (see note 1) | EFF. | P.F. | Operating Power(Kw) | Rated Power | rated Current | Density Factor | Starting Method |
|------|------|---------|-------------------------------|-----------|--------------|----------------|--------------|-------------|----------------|--------------------------------|-----------------------------|----------------------------------|----------------------------------|------|------|---------------------|-------------|---------------|----------------|-----------------|
| 1 | 0 | M-1A | Air cooler MOTOR LOAD LV-400V | M | C | N | 3 PH | 400±5% | 50±2% | 4.5 | 5.3 | 1.05 | 4.97 | 0.9 | 0.84 | 6.9 | 7.5 | 14.4 | 1 | VFD |
| 2 | 0 | M-1B | Air cooler MOTOR LOAD LV-400V | M | C | N | 3 PH | 400±5% | 50±2% | 4.5 | 5.3 | 1.05 | 4.97 | 0.9 | 0.84 | 6.9 | 7.5 | 14.4 | 1 | DOL |
| 3 | 0 | M-2A | Air cooler MOTOR LOAD LV-400V | M | C | N | 3 PH | 400±5% | 50±2% | 4.5 | 5.3 | 1.05 | 4.97 | 0.9 | 0.84 | 6.9 | 7.5 | 14.4 | 1 | VFD |
| 4 | 0 | M-2B | Air cooler MOTOR LOAD LV-400V | M | C | N | 3 PH | 400±5% | 50±2% | 4.5 | 5.3 | 1.05 | 4.97 | 0.9 | 0.84 | 6.9 | 7.5 | 14.4 | 1 | DOL |

C: Countinus Operation

CS: Countinus Standby

IO: Intermitant Operation

SD: Shutdown operation

SU: Start Up operation

N: Normal Load

E:Emergency Load

DOL: Direct on Line Staring

VFD: Variable Frequency Drive