

| NEMA - 1 STRANDARD | | | | | SURFACE MTG. | | | | |
|--------------------------------|-------------|--------------|---------|---------|--|--|----------------|--------|------|
| 400/230 V.AC. 3 PHASE - 4 WIRE | | | | | HINGED DOOR. | | | | |
| PANEL BOARD LP-K SCHEDULE | | | | | | | | | |
| FEEDER No. | DESCRIPTION | POWER in VA. | | | CONDUCTOR SIZE (sq.mm.TH.W.) | CONDUIT DIA. | BRANCH BREAKER | | |
| | | PHASE A | PHASE B | PHASE C | | | AT. | IC(KA) | POLE |
| 1 | LIGHTING | 720 | | | 2-4 | 1/2" | 15 | 5 | 1 |
| 3 | LIGHTING | | 360 | | 2-4 | 1/2" | 15 | 5 | 1 |
| 5 | LIGHTING | | | 720 | 2-4 | 1/2" | 15 | 5 | 1 |
| 7 | LIGHTING | 690 | | | 2-4 | 1/2" | 15 | 5 | 1 |
| 9 | LIGHTING | | 1,000 | | 2-4 | 1/2" | 15 | 5 | 1 |
| 11 | LIGHTING | | | 580 | 2-4 | 1/2" | 15 | 5 | 1 |
| 13 | WATER PUMP. | 2,000 | | | 4-4, 1-2.5g | 3/4" | 20 | 10 | 3 |
| 15 | | | 2,000 | | | | | | |
| 17 | | | | 2,000 | | | | | |
| 2 | RECEPTACLE | 1,000 | | | 2-4, 1-2.5g | 1/2" | 15 | 5 | 1 |
| 4 | RECEPTACLE | | 1,000 | | 2-4, 1-2.5g | 1/2" | 15 | 5 | 1 |
| 6 | RECEPTACLE | | | 1,000 | 2-4, 1-2.5g | 1/2" | 15 | 5 | 1 |
| 8 | RECEPTACLE | 800 | | | 2-4, 1-2.5g | 1/2" | 15 | 5 | 1 |
| 10 | TV.B | | 300 | | 2-2.5, 1-1.5g | 1/2" | 10 | 5 | 1 |
| 12 | SPARE | | | 500 | - | - | 15 | 5 | 1 |
| 14 | SPARE | 500 | | | - | - | - | - | - |
| 16 | SPARE | | 500 | | - | - | - | - | - |
| 18 | SPARE | | | 500 | - | - | - | - | - |
| MAXIMUM POWER IN VA. | | 5,710 | 5,160 | 5,300 | MAIN FEEDER 4-16sq.mm. CV.XLPE. 0.6/1.0KV. & 1-25g sq.mm.TH.W. · in DIA. 1" HDPE. | MAIN BREAKER 50AT. 3P. MCB. IC ≥ 10KA. at 240V.AC. | | | |
| | | 16,170 | | | | | | | |

| NEMA - 1 STRANDARD | | | | | | | | | | WALL MTG. | |
|--------------------------------|--------------------------------|-------|-----|-------------------------------------|---------|------------------------|------|-----|---------|-----------|------|
| 400/230 V.AC. 3 PHASE - 4 WIRE | | | | | | | | | | | |
| PANEL BOARD LP-B | | | | | | | | | | SCHEDULE | |
| FEEDER No. | DESCRIPTION | POWER | | CONDUCTOR | CONDUIT | BRANCH | | | BREAKER | | |
| | | in | VA. | | | SIZE (sq.mm.TH.W) | DIA. | AT. | | IC(KA) | POLE |
| 1 | LIGHTING | 390 | 3 | 2-4 | 1/2" | 15 | 5 | 1 | | | |
| 2 | LIGHTING | 540 | 3 | 2-4 | 1/2" | 15 | 5 | 1 | | | |
| 3 | RECEPTACLE | 720 | 3 | 2-4, 1-2.5g | 1/2" | 15 | 5 | 1 | | | |
| 4 | RECEPTACLE | 1,080 | 3 | 2-4, 1-2.5g | 1/2" | 15 | 5 | 1 | | | |
| 5 | RECEPTACLE | 1,000 | 3 | 2-4, 1-2.5g | 1/2" | 15 | 5 | 1 | | | |
| 6 | JUNCTION BOX. FOR PUMP | 350 | 3 | 2-4, 1-2.5g | 1/2" | 15 | 5 | 1 | | | |
| 7 | JUNCTION BOX. FOR WATER HEATER | 3,000 | 3 | 2-6, 1-2.5g | 3/4" | 32 | 5 | 1 | | | |
| 8 | SPARE | 1,000 | 3 | - | - | 20 | 5 | 1 | | | |
| MAXIMUM POWEEE IN VA. | | 8,080 | | MAIN FEEDER | | MAIN BREAKER | | | | | |
| | | | | 2-16 sq.mm. CV. XLPE 0.6/1.0KV | | 50 AT. 2P. MCB. | | | | | |
| | | | | &1-10g sq.mm. THW. in DIA. 1" HDPE. | | IC ≥ 10 KA.at 240V.AC. | | | | | |

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| 400/230 V.AC. 3 PHASE - 4 WIRE | | | | | | | | | |
| PANEL BOARD LP-C | | | | | SCHEDULE | | | | |
| FEEDER No. | DESCRIPTION | POWER | | CONDUCTOR SIZE (sq.mm.TH.W) | CONDUIT DIA. | BRANCH BREAKER | | | |
| | | in | VA. | | | AT. | IC(KA) | POLE | |
| 1 | LIGHTING | 390 | | 2-4 | 1/2" | 15 | 5 | 1 | |
| 2 | LIGHTING | 540 | | 2-4 | 1/2" | 15 | 5 | 1 | |
| 3 | RECEPTACLE | 720 | | 2-4, 1-2.5g | 1/2" | 15 | 5 | 1 | |
| 4 | RECEPTACLE | 1,080 | | 2-4, 1-2.5g | 1/2" | 15 | 5 | 1 | |
| 5 | RECEPTACLE | 1,000 | | 2-4, 1-2.5g | 1/2" | 15 | 5 | 1 | |
| 6 | JUNCTION BOX. FOR PUMP | 350 | | 2-4, 1-2.5g | 1/2" | 15 | 5 | 1 | |
| 7 | JUNCTION BOX. FOR WATER HEATER | 3,000 | | 2-6, 1-2.5g | 3/4" | 32 | 5 | 1 | |
| 8 | SPARE | 1,000 | | - | - | 20 | 5 | 1 | |
| MAXIMUM POWER IN VA. | | 8,080 | | MAIN FEEDER | | MAIN BREAKER | | | |
| | | | | 2-16 sq.mm. CV. XLPE 0.6/1.0KV &1-10g sq.mm. THW. in DIA. 1" HDPE. | | 50 AT. 2P. MCB. IC ≥ 10 KA.at 240V.AC. | | | |

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|--------------------------------|--------------------------------|--------|---|---------|---|-----------|------|--|
| 400/230 V.AC. 3 PHASE - 4 WIRE | | | | | | | | |
| PANEL BOARD LP-G | | | | | | SCHEDULE | | |
| FEEDER | DESCRIPTION | POWER | CONDUCTOR | CONDUIT | BRANCH BREAKER | | | |
| No. | | in VA. | SIZE (sq.mm.TH.W) | DIA. | AT. | IC(KA) | POLE | |
| 1 | LIGHTING | 390 | 2-4 | 1/2" | 15 | 5 | 1 | |
| 2 | LIGHTING | 540 | 2-4 | 1/2" | 15 | 5 | 1 | |
| 3 | RECEPTACLE | 720 | 2-4, 1-2.5g | 1/2" | 15 | 5 | 1 | |
| 4 | RECEPTACLE | 1,080 | 2-4, 1-2.5g | 1/2" | 15 | 5 | 1 | |
| 5 | RECEPTACLE | 1,000 | 2-4, 1-2.5g | 1/2" | 15 | 5 | 1 | |
| 6 | JUNCTION BOX. FOR PUMP | 350 | 2-4, 1-2.5g | 1/2" | 15 | 5 | 1 | |
| 7 | JUNCTION BOX. FOR WATER HEATER | 3,000 | 2-6, 1-2.5g | 3/4" | 32 | 5 | 1 | |
| 8 | SPARE | 1,000 | - | - | 20 | 5 | 1 | |
| MAXIMUM POWER IN VA. | | 8,080 | MAIN FEEDER | | MAIN BREAKER | | | |
| | | | 2-16 sq.mm. CV. XLPE 0.6/1.0KV &1-10g sq.mm. THW. in DIA. 1" HDPE. | | 50 AT. 2P. MCB. IC ≥ 10 KA.at 240V.AC. | | | |

| NEMA - 1 STRANDARD | | | | | | | | | | WALL MTG. | |
|--------------------------------|--------------------------------|--------|--|---------|--------|---|------|---------|--|-----------|--|
| 400/230 V.AC. 3 PHASE - 4 WIRE | | | | | | | | | | | |
| PANEL BOARD LP- H | | | | | | | | | | SCHEDULE | |
| FEEDER | DESCRIPTION | POWER | CONDUCTOR | CONDUIT | BRANCH | | | BREAKER | | | |
| No. | | in VA. | SIZE (sq.mm.TH.W) | DIA. | AT. | IC(KA) | POLE | | | | |
| 1 | LIGHTING | 390 | 2-4 | 1/2" | 15 | 5 | 1 | | | | |
| 2 | LIGHTING | 540 | 2-4 | 1/2" | 15 | 5 | 1 | | | | |
| 3 | RECEPTACLE | 720 | 2-4, 1-2.5g | 1/2" | 15 | 5 | 1 | | | | |
| 4 | RECEPTACLE | 1,080 | 2-4, 1-2.5g | 1/2" | 15 | 5 | 1 | | | | |
| 5 | RECEPTACLE | 1,000 | 2-4, 1-2.5g | 1/2" | 15 | 5 | 1 | | | | |
| 6 | JUNCTION BOX. FOR PUMP | 350 | 2-4, 1-2.5g | 1/2" | 15 | 5 | 1 | | | | |
| 7 | JUNCTION BOX. FOR WATER HEATER | 3,000 | 2-6, 1-2.5g | 3/4" | 32 | 5 | 1 | | | | |
| 8 | SPARE | 1,000 | - | - | 20 | 5 | 1 | | | | |
| MAXIMUM POWER IN VA. | | 8,080 | MAIN FEEDER | | | MAIN BREAKER | | | | | |
| | | | 2-16 sq.mm. CV. XLPE 0.6/1.0KV & 1-10g sq.mm. THW. in DIA. 1" HDPE. | | | 50 AT. 2P. MCB. IC ≥ 10 KA.at 240V.AC. | | | | | |

| NEMA - 1 STRANDARD | | | | SURFACE MTG. | | | | | | |
|---|-------------|--------------|---------|--------------|---|---|----------------|--------|------|---|
| 400/230 V.AC. 3 PHASE - 4 WIRE | | | | HINGED DOOR. | | | | | | |
| DB | | | | SCHEDULE | | | | | | |
| FEEDER No. | DESCRIPTION | POWER IN VA. | | | CONDUCTOR SIZE (sq.mm.TH.W.) | CONDUIT DIA. | BRANCH BREAKER | | | |
| | | PHASE A | PHASE B | PHASE C | | | AT. | IC(KA) | POLE | |
| 1 | LP-A | 8,080 | 8,080 | 8,080 | 2-16, 1-10g | 1" | 50 | 10 | 1 | |
| 3 | LP-B | | | | | | 1" | 50 | 10 | 1 |
| 5 | LP-C | | | | | | 1" | 50 | 10 | 1 |
| 7 | LP-D | 8,080 | | | 2-16, 1-10g | 1" | 50 | 10 | 1 | |
| 9 | LP-E | | 8,080 | | 2-16, 1-10g | 1" | 50 | 10 | 1 | |
| 11 | LP-F | | | 8,080 | 2-16, 1-10g | 1" | 50 | 10 | 1 | |
| 13 | } LP-K | 5,300 | | | 4-16, 1-10g | 1 1/2" | 50 | 10 | 3 | |
| 15 | | | 5,560 | | | | | | | |
| 17 | | | | 5,710 | | | | | | |
| 2 | LP-G | 8,080 | | | 2-16, 1-10g | 1" | 50 | 10 | 1 | |
| 4 | LP-H | | 8,080 | | 2-16, 1-10g | 1" | 50 | 10 | 1 | |
| 6 | LP-I | | | 8,080 | 2-16, 1-10g | 1" | 50 | 10 | 1 | |
| 8 | LP-J | 8,080 | | | 2-16, 1-10g | 1" | 50 | 10 | 1 | |
| 10 | SPARE | | 5,000 | | - | - | 50 | 10 | 1 | |
| 12 | SPARE | | | 5,000 | - | - | 50 | 10 | 1 | |
| 14 | SPACE | - | - | - | - | - | - | - | - | |
| 16 | SPACE | - | - | - | - | - | - | - | - | |
| 18 | SPACE | - | - | - | - | - | - | - | - | |
| POWER IN VA. DF. 85% MAXIMUM POWER IN VA. | | 37,620 | 34,800 | 34,950 | MAIN FEEDER 4-120sq.mm.CV.XLPE. 0.6/1.0KV. in DIA. 3" HDPE.& 1-25g sq.mm. GND WIRE in DIA. 1/2" PVC. | MAIN BREAKER 175AT. 3P. MCB. IC ≥ 25KA. at 415V.AC. ADJ. TYPE. | | | | |
| | | 31,977 | 29,580 | 29708 | | | | | | |
| | | 91,265 | | | | | | | | |

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|--------------------------------|--------------------------------|--------|--|---------------------|---|----------------|--------|------|
| 400/230 V.AC. 3 PHASE - 4 WIRE | | | | | | | | |
| PANEL BOARD LP-D | | | | SCHEDULE | | | | |
| FEEDER No. | DESCRIPTION | POWER | | CONDUCTOR | CONDUIT | BRANCH BREAKER | | |
| | | in VA. | | SIZE (sq.mm.TH.W) | DIA. | AT. | IC(KA) | POLE |
| 1 | LIGHTING | 390 | 2-4 | 1/2" | 15 | 5 | 1 | |
| 2 | LIGHTING | 540 | 2-4 | 1/2" | 15 | 5 | 1 | |
| 3 | RECEPTACLE | 720 | 2-4, 1-2.5g | 1/2" | 15 | 5 | 1 | |
| 4 | RECEPTACLE | 1,080 | 2-4, 1-2.5g | 1/2" | 15 | 5 | 1 | |
| 5 | RECEPTACLE | 1,000 | 2-4, 1-2.5g | 1/2" | 15 | 5 | 1 | |
| 6 | JUNCTION BOX. FOR PUMP | 350 | 2-4, 1-2.5g | 1/2" | 15 | 5 | 1 | |
| 7 | JUNCTION BOX. FOR WATER HEATER | 3,000 | 2-6, 1-2.5g | 3/4" | 32 | 5 | 1 | |
| 8 | SPARE | 1,000 | - | - | 20 | 5 | 1 | |
| MAXIMUM POWER IN VA. | | 8,080 | MAIN FEEDER 2-16 sq.mm. CV. XLPE 0.6/1.0KV &1-10g sq.mm. THW. in DIA. 1" HDPE. | | MAIN BREAKER 50 AT. 2P. MCB. IC ≥ 10 KA.at 240V.AC. | | | |