

ISOBUTANE COMPRESSOR LINE - 50Hz - LBP APPLICATION

| Compressor | Displ. cm ³ | Oil ISO cSt | Max Height (mm) | Cooling Capacity | | | Efficiency without run capacitor | | | Efficiency with run capacitor | | | Efficiency with run capacitor + TSD | | | Run Cap µF |
|------------|---------------------------|----------------|--------------------|------------------|-----|---------|----------------------------------|-------|---------|-------------------------------|-------|---------|-------------------------------------|-------|---------|---------------|
| | | | | ASHRAE | | CECOMAF | ASHRAE | | CECOMAF | ASHRAE | | CECOMAF | ASHRAE | | CECOMAF | |
| | | | | (kcal/h) | (W) | (W) | (kcal/Wh) | (W/W) | (W/W) | (kcal/Wh) | (W/W) | (W/W) | (kcal/Wh) | (W/W) | (W/W) | |
| BPK1046Y | 3.44 | 10 | 150.2 | 42 | 49 | 37 | 0.97 | 1.13 | 0.89 | 0.99 | 1.15 | 0.91 | | | | 2.5 |
| BPK1058Y | 4.60 | 10 | 150.2 | 62 | 72 | 54 | 1.05 | 1.22 | 0.96 | 1.07 | 1.24 | 0.98 | | | | 2.5 |
| BPK1072Y | 5.61 | 10 | 150.2 | 76 | 89 | 67 | 1.09 | 1.27 | 1.00 | 1.11 | 1.29 | 1.02 | | | | 2.5 |
| BPK1084Y | 6.67 | 10 | 150.2 | 91 | 106 | 80 | 1.09 | 1.27 | 1.00 | 1.11 | 1.29 | 1.02 | | | | 2.5 |
| BPK1111Y | 8.87 | 10 | 158.7 | 122 | 142 | 107 | 1.11 | 1.29 | 1.02 | 1.13 | 1.32 | 1.04 | | | | 2.5 |
| BPK1114Y | 10.10 | 10 | 158.7 | 137 | 159 | 120 | 1.09 | 1.27 | 1.00 | 1.11 | 1.29 | 1.02 | | | | 2.5 |
| EMT26CLP | 5.19 | 7 | 158.0 | 73 | 85 | 64 | 1.06 | 1.24 | 0.98 | 1.12 | 1.30 | 1.03 | | | | 2.5 |
| EMT32CLP | 5.96 | 7 | 158.0 | 83 | 97 | 73 | 1.09 | 1.27 | 1.00 | 1.16 | 1.35 | 1.06 | | | | 2.5 |
| EMT40CLP | 7.23 | 7 | 158.0 | 104 | 121 | 91 | 1.10 | 1.28 | 1.01 | 1.17 | 1.36 | 1.07 | | | | 2.5 |
| EMT46CLP | 7.96 | 7 | 158.0 | 116 | 135 | 102 | 1.11 | 1.29 | 1.02 | 1.18 | 1.37 | 1.08 | | | | 2.5 |
| EMU26CLC | 5.19 | 7 | 158.0 | 73 | 85 | 64 | 1.17 | 1.36 | 1.07 | 1.22 | 1.42 | 1.12 | | | | 4.0 |
| EMU32CLC | 5.96 | 7 | 158.0 | 83 | 97 | 73 | 1.18 | 1.37 | 1.08 | 1.23 | 1.43 | 1.13 | | | | 4.0 |
| EMU40CLC | 7.23 | 7 | 158.0 | 104 | 121 | 91 | 1.20 | 1.39 | 1.10 | 1.26 | 1.46 | 1.16 | | | | 4.0 |
| EMU46CLC | 7.96 | 7 | 166.0 | 116 | 135 | 102 | 1.20 | 1.39 | 1.10 | 1.25 | 1.46 | 1.15 | | | | 4.0 |
| EMY20CLC | 4.15 | 7 | 166.0 | 53 | 62 | 47 | | | | 1.20 | 1.40 | 1.10 | 1.26 | 1.47 | 1.16 | 2.5 |
| EMY26CLC | 5.19 | 7 | 166.0 | 73 | 85 | 64 | | | | 1.28 | 1.49 | 1.18 | 1.33 | 1.54 | 1.22 | 2.5 |
| EMY32CLC | 5.96 | 7 | 166.0 | 83 | 97 | 73 | | | | 1.30 | 1.51 | 1.19 | 1.34 | 1.56 | 1.23 | 2.5 |
| EMY40CLC | 7.23 | 7 | 166.0 | 104 | 121 | 91 | | | | 1.32 | 1.53 | 1.21 | 1.35 | 1.57 | 1.24 | 4.0 |
| EMY46CLP | 7.96 | 7 | 166.0 | 116 | 135 | 102 | 1.25 | 1.45 | 1.15 | 1.34 | 1.55 | 1.23 | 1.37 | 1.59 | 1.26 | 4.0 |
| EMY55CLP | 8.59 | 7 | 166.0 | 127 | 148 | 111 | 1.24 | 1.44 | 1.14 | 1.34 | 1.55 | 1.23 | 1.37 | 1.59 | 1.26 | 4.0 |
| NBM1112Y | 8.78 | 15 | 187.0 | 117 | 137 | 103 | 1.12 | 1.30 | 1.03 | | | | | | | |
| NBM1114Y | 10.00 | 15 | 187.0 | 136 | 159 | 119 | 1.14 | 1.32 | 1.05 | | | | | | | |
| NBM1116Y | 12.12 | 15 | 200.0 | 171 | 199 | 149 | 1.20 | 1.39 | 1.10 | | | | | | | |
| NBM1118Y | 14.28 | 15 | 200.0 | 200 | 233 | 175 | 1.21 | 1.41 | 1.11 | | | | | | | |
| NBT1112Y | 8.78 | 10 | 187.0 | 117 | 137 | 103 | 1.21 | 1.41 | 1.11 | 1.28 | 1.49 | 1.17 | | | | 4.0 |
| NBT1114Y | 10.00 | 10 | 187.0 | 138 | 160 | 120 | 1.22 | 1.42 | 1.12 | 1.29 | 1.49 | 1.18 | | | | 4.0 |
| NBT1116Y | 12.12 | 10 | 200.0 | 171 | 199 | 150 | 1.28 | 1.49 | 1.18 | 1.35 | 1.57 | 1.24 | | | | 4.0 |
| NBT1118Y | 14.28 | 10 | 200.0 | 201 | 233 | 176 | 1.27 | 1.48 | 1.17 | 1.34 | 1.56 | 1.23 | | | | 4.0 |
| NBU1112Y | 8.78 | 7 | 187.0 | 125 | 146 | 110 | | | | 1.40 | 1.62 | 1.28 | | | | 4.0 |
| NBU1114Y | 10.00 | 7 | 187.0 | 145 | 169 | 127 | | | | 1.40 | 1.63 | 1.28 | | | | 4.0 |
| NBU1115Y | 11.00 | 7 | 200.0 | 165 | 192 | 144 | | | | 1.44 | 1.67 | 1.32 | | | | 4.0 |
| NBU1116Y | 12.12 | 7 | 200.0 | 180 | 209 | 158 | | | | 1.44 | 1.68 | 1.33 | | | | 4.0 |
| NBU1118Y | 14.28 | 7 | 200.0 | 211 | 246 | 185 | | | | 1.43 | 1.66 | 1.31 | | | | 4.0 |

ISOBUTANE COMPRESSOR LINE - 50Hz - HBP APPLICATION

| Compressor | Displ. cm ³ | Oil ISO cSt | Max Height (mm) | Cooling Capacity | | | Efficiency without run capacitor | | | Efficiency with run capacitor | | | Run Cap µF |
|------------|---------------------------|----------------|--------------------|------------------|-----|---------|----------------------------------|-------|---------|-------------------------------|-------|---------|---------------|
| | | | | ASHRAE | | CECOMAF | ASHRAE | | CECOMAF | ASHRAE | | CECOMAF | |
| | | | | (kcal/h) | (W) | (W) | (kcal/Wh) | (W/W) | (W/W) | (kcal/Wh) | (W/W) | (W/W) | |
| BPE5125Y | 4.60 | 10 | 150.7 | 216 | 251 | 211 | 2.06 | 2.40 | 2.04 | | | | |
| BPE5128Y | 5.61 | 10 | 150.7 | 270 | 314 | 264 | 1.96 | 2.28 | 1.94 | | | | |
| BPE5132Y | 6.67 | 10 | 158.7 | 321 | 374 | 314 | 2.12 | 2.47 | 2.10 | | | | |

| TEST CONDITIONS | LBP | | HBP | |
|--------------------------|---------|---------|--------|---------|
| | ASHRAE | CECOMAF | ASHRAE | CECOMAF |
| Evaporating temperature | -23.3°C | -25°C | 7.2°C | 5°C |
| Condensing temperature | 54.4°C | 55°C | 54.4°C | 55°C |
| Ambient temperature | 32.2°C | 32°C | 35°C | 32°C |
| Liquid temperature | 32.2°C | 55°C | 46.1°C | 55°C |
| Suction gas superheat to | 32.2°C | 32°C | 35°C | 32°C |

