

**BN65YELMT COMPRESSOR PERFORMANCE DATA**

RATING CONDITION : 11.1°C RETURN GAS SUPERHEATED
 8.4°C LIQUID SUBCOOLED
 35.0°C AMBIENT

400 Volt 50 Hz R-410A

| Capacity (W) | | Evaporating Temperature (°C) | | | | | |
|-----------------------------|-------|------------------------------|----------|----------|----------|----------|----------|
| | | -15.00 | -10.00 | -5.00 | 0.00 | 5.00 | 10.00 |
| Condensing Temperature (°C) | 40.00 | 9270.00 | 11440.00 | 14180.00 | 16930.00 | 20300.00 | 24230.00 |
| | 50.00 | 7690.00 | 9610.00 | 12070.00 | 14530.00 | 17570.00 | 21000.00 |
| | 60.00 | 6150.00 | 7710.00 | 9760.00 | 11820.00 | 14420.00 | 17540.00 |

| Input (W) | | Evaporating Temperature (°C) | | | | | |
|-----------------------------|-------|------------------------------|---------|---------|---------|---------|---------|
| | | -15.00 | -10.00 | -5.00 | 0.00 | 5.00 | 10.00 |
| Condensing Temperature (°C) | 40.00 | 3850.00 | 3910.00 | 3950.00 | 3990.00 | 4000.00 | 4020.00 |
| | 50.00 | 4750.00 | 4810.00 | 4870.00 | 4920.00 | 4950.00 | 4960.00 |
| | 60.00 | 5850.00 | 5930.00 | 6000.00 | 6070.00 | 6120.00 | 6170.00 |

| COP (W/W) | | Evaporating Temperature (°C) | | | | | |
|-----------------------------|-------|------------------------------|--------|-------|------|------|-------|
| | | -15.00 | -10.00 | -5.00 | 0.00 | 5.00 | 10.00 |
| Condensing Temperature (°C) | 40.00 | 2.41 | 2.93 | 3.59 | 4.24 | 5.08 | 6.03 |
| | 50.00 | 1.62 | 2.00 | 2.48 | 2.95 | 3.55 | 4.23 |
| | 60.00 | 1.05 | 1.30 | 1.63 | 1.95 | 2.36 | 2.84 |

| Current (A) | | Evaporating Temperature (°C) | | | | | |
|-----------------------------|-------|------------------------------|--------|-------|-------|-------|-------|
| | | -15.00 | -10.00 | -5.00 | 0.00 | 5.00 | 10.00 |
| Condensing Temperature (°C) | 40.00 | 7.23 | 7.33 | 7.40 | 7.46 | 7.45 | 7.35 |
| | 50.00 | 8.53 | 8.63 | 8.73 | 8.82 | 8.89 | 8.88 |
| | 60.00 | 10.22 | 10.34 | 10.45 | 10.56 | 10.62 | 10.71 |

| Flow Rate (kg/h) | | Evaporating Temperature (°C) | | | | | |
|-----------------------------|-------|------------------------------|--------|--------|--------|--------|--------|
| | | -15.00 | -10.00 | -5.00 | 0.00 | 5.00 | 10.00 |
| Condensing Temperature (°C) | 40.00 | 193.60 | 235.30 | 287.70 | 339.40 | 402.30 | 475.00 |
| | 50.00 | 178.30 | 219.40 | 271.30 | 322.20 | 384.90 | 454.40 |
| | 60.00 | 161.60 | 199.20 | 247.80 | 295.50 | 355.40 | 426.40 |

| DOCUMENT NO. | REVISED | ISSUED DATE | PAGE | WRITTEN | APPROVED |
|-----------------|---------|-------------|-------|-----------------|----------------------|
| SCI-CPDB008 - T | D | 2009-09-30 | 1 / 2 | Buncha Sungklum | Dumrongsak Sompradit |

**BN65YELMT COMPRESSOR PERFORMANCE DATA**

RATING CONDITION : 11.1°C RETURN GAS SUPERHEATED
 8.4°C LIQUID SUBCOOLED
 35.0°C AMBIENT

460 Volt 60 Hz R-410A

| Capacity (W) | | Evaporating Temperature (°C) | | | | | |
|-----------------------------|--|------------------------------|----------|----------|----------|----------|----------|
| Condensing Temperature (°C) | | -15.00 | -10.00 | -5.00 | 0.00 | 5.00 | 10.00 |
| 40.00 | | 11190.00 | 13790.00 | 17100.00 | 20420.00 | 24490.00 | 29230.00 |
| 50.00 | | 9270.00 | 11590.00 | 14550.00 | 17520.00 | 21200.00 | 25330.00 |
| 60.00 | | 7410.00 | 9300.00 | 11770.00 | 14250.00 | 17390.00 | 21150.00 |

| Input (W) | | Evaporating Temperature (°C) | | | | | |
|-----------------------------|--|------------------------------|---------|---------|---------|---------|---------|
| Condensing Temperature (°C) | | -15.00 | -10.00 | -5.00 | 0.00 | 5.00 | 10.00 |
| 40.00 | | 4550.00 | 4620.00 | 4670.00 | 4720.00 | 4720.00 | 4750.00 |
| 50.00 | | 5610.00 | 5690.00 | 5750.00 | 5820.00 | 5850.00 | 5860.00 |
| 60.00 | | 6920.00 | 7010.00 | 7090.00 | 7170.00 | 7230.00 | 7280.00 |

| COP (W/W) | | Evaporating Temperature (°C) | | | | | |
|-----------------------------|--|------------------------------|--------|-------|------|------|-------|
| Condensing Temperature (°C) | | -15.00 | -10.00 | -5.00 | 0.00 | 5.00 | 10.00 |
| 40.00 | | 2.46 | 2.98 | 3.66 | 4.33 | 5.19 | 6.15 |
| 50.00 | | 1.65 | 2.04 | 2.53 | 3.01 | 3.62 | 4.32 |
| 60.00 | | 1.07 | 1.33 | 1.66 | 1.99 | 2.41 | 2.91 |

| Current (A) | | Evaporating Temperature (°C) | | | | | |
|-----------------------------|--|------------------------------|--------|-------|-------|-------|-------|
| Condensing Temperature (°C) | | -15.00 | -10.00 | -5.00 | 0.00 | 5.00 | 10.00 |
| 40.00 | | 8.40 | 8.52 | 8.60 | 8.67 | 8.66 | 8.54 |
| 50.00 | | 9.92 | 10.04 | 10.15 | 10.25 | 10.34 | 10.32 |
| 60.00 | | 11.88 | 12.02 | 12.15 | 12.27 | 12.35 | 12.45 |

| Flow Rate (kg/h) | | Evaporating Temperature (°C) | | | | | |
|-----------------------------|--|------------------------------|--------|--------|--------|--------|--------|
| Condensing Temperature (°C) | | -15.00 | -10.00 | -5.00 | 0.00 | 5.00 | 10.00 |
| 40.00 | | 233.50 | 283.80 | 347.00 | 409.40 | 485.30 | 572.90 |
| 50.00 | | 215.10 | 264.60 | 327.30 | 388.70 | 464.30 | 548.10 |
| 60.00 | | 195.00 | 240.30 | 299.00 | 356.40 | 428.70 | 514.30 |

| DOCUMENT NO. | REVISED | ISSUED DATE | PAGE | WRITTEN | APPROVED |
|-----------------|---------|-------------|-------|-----------------|----------------------|
| SCI-CPDB008 - T | D | 2009-09-30 | 2 / 2 | Buncha Sungklum | Dumrongsak Sompradit |