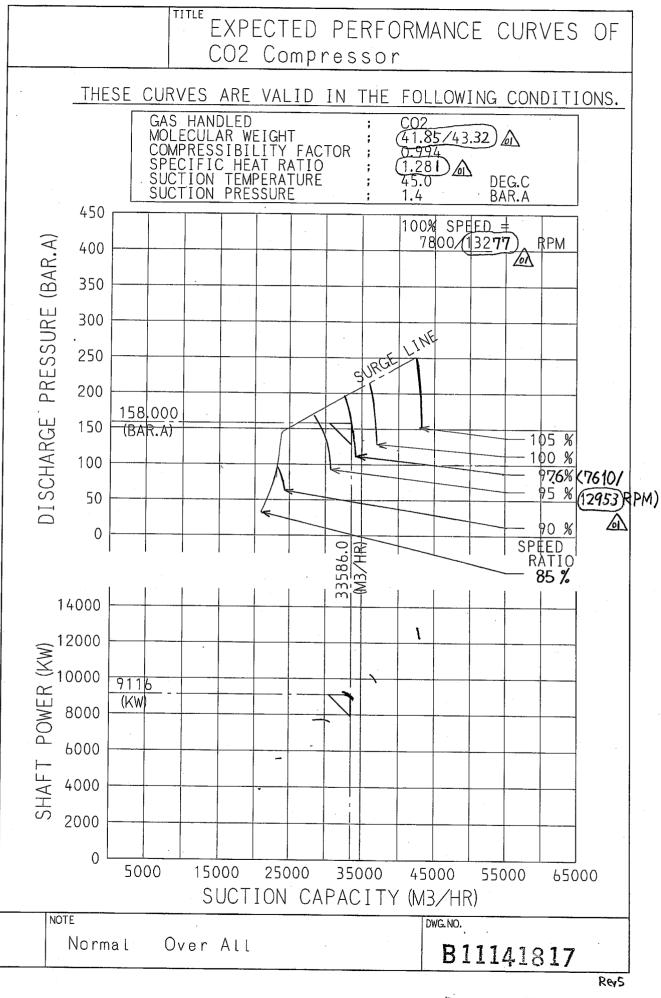
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9N4-S4274345 2/

TITLE EXPECTED PERFORMANCE CURVES OF CO2 Compressor THESE CURVES ARE VALID IN THE FOLLOWING CONDITIONS. GAS HANDLED
MOLECULAR WEIGHT
COMPRESSIBILITY FACTOR
SPECIFIC HEAT RATIO
SUCTION TEMPERATURE,
SUCTION PRESSURE C02 (41.85/43.32) 0.994 (1.281) 45.0 DEG.C 1.4 BAR.A 450 100% SPEED = 7800/132**77** DISCHARGE PRESSURE (BAR.A) ŔРМ 400 350 300 TIME NRGE 250 200 162,000 (BAR.A) 150 105 % 100 100 % 95 % 50 90 % 0 SPEED RATIO - 85 % 36962.0 (M3/HR) 14000 Į 12000 10030 10000 (KW) 8000 6000 4000 2000 0 5000 15000 25000 35000 45000 55000 65000 SUCTION CAPACITY (M3/HR) NOTE DWG.NO. B11141818 Rated Over All Rey 5

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3N4-S4274345 3/

TITLE EXPECTED PERFORMANCE CURVES OF CO2 Compressor THESE CURVES ARE VALID IN THE FOLLOWING CONDITIONS. CO2 (41.85) (0.994 (1.281) GAS HANDLED MOLECULAR WEIGHT
COMPRESSIBILITY FACTOR
SPECIFIC HEAT RATIO
SUCTION TEMPERATURE
SUCTION PRESSURE DEG.C 45.0 1.4 BAR.A 6.50 100% SPEED ± 7800/132**77** ŔРМ 6.00 5.50 SURGE PRESSURE 5.00 4.700(BAR.A) 4.50 4.00 DISCHARGE 3.50 105 3.00 00 % 95 %° 2.50 90 % **\$5** % 2.00 36962.0 (M3/HR) SPÉED RATIO 35000 30000 ₹<sub>25000</sub> 23000 MEW 20000 15000 15000 SHAF 10000 5000 2468 (KW) 0 20000 24000 28000 32000 3600Ò 40000 44000 SUCTION CAPACITY (M3/HR) NOTE DWG.NO. B11141819 1st Rated Rey5



TITLE EXPECTED PERFORMANCE CURVES OF CO2 Compressor THESE CURVES ARE VALID IN THE FOLLOWING CONDITIONS. GAS HANDLED
MOLECULAR WEIGHT
COMPRESSIBILITY FACTOR
SPECIFIC HEAT RATIO
SUCTION TEMPERATURE CO2 (41.85) 6\ 0.994 (1.281) 6\ 45.0 DEG.C SUCTION PRESSURE 1.4 BAR.A 12000 100% SPEED # 7800/132**77** ŔРМ 11000 SPECE **≘**10000 9097 9000 (M) 8000 7000 6000 105 % 5000 100 % 95 % 4000 90 % 85 %I 3000 36962.0 (M3/HR) SPEED RATIO POL.EFFICIENCY (%) 100 82. 80 (%) 60 40 20 0 20000 24000 28000 32000 36000 40000 44000 SUCTION CAPACITY (M3/HR) NOTE DWG.NO. B11141820 Rated 1st Rev5



TITLE EXPECTED PERFORMANCE CURVES OF CO2 Compressor THESE CURVES ARE VALID IN THE FOLLOWING CONDITIONS. GAS HANDLED
MOLECULAR WEIGHT
COMPRESSIBILITY FACTOR
SPECIFIC HEAT RATIO
SUCTION TEMPERATURE CO2 42.86 0.982 1.278 DEG.C SUCTION PRESSURE BAR.A 30 100% SPEED = 7800/132**77**) PRESSURE (BAR.A) ŔРМ 28 201 26 24 <del>21.700</del> 22 (BAR.A) 20 DISCHARGE 18 105 % 16 100 % 95 % 14 90 % 85 % 12 11820.0 (M3/HR) SPEED RATIO 7000 6000 SHAFT POWER (KW) 5000 4000 3448 (KW) 3000 2000 1000 0 4000 6000 0008 10000 12000 14000 16000 SUCTION CAPACITY (M3/HR) NOTE DWG.NO. Rated 2nd B11141821 Rev5

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3N4-S4274345 5/

TITLE EXPECTED PERFORMANCE CURVES OF CO2 Compressor THESE CURVES ARE VALID IN THE FOLLOWING CONDITIONS. CO2 42.86 0.982 GAS HANDLED MOLECULAR WEIGHT
COMPRESSIBILITY FACTOR
SPECIFIC HEAT RATIO
SUCTION TEMPERATURE
SUCTION PRESSURE 278 DEG.C BAR.A 16000 100% SPEED = 7800/(13277) ŖРМ 15000 <u>/6/</u> **≘**<sup>14000</sup> ₽13000 12600 (M) 〒12000 POLYTROPIC 10000 4000 8000 105 % 100 % 95 % 8000 90 % 85 % 7000 11820.0 -(M3/HR) SPÉED RATIO 100 81.5 80 (%) 60 40 20 0 4000 6000 8000 10000 12000 14000 16000 SUCTION CAPACITY (M3/HR) NOTE DWG.NO. Rated 2nd B11141822 Rev5

TITLE EXPECTED PERFORMANCE CURVES OF CO2 Compressor THESE CURVES ARE VALID IN THE FOLLOWING CONDITIONS. GAS HANDLED MOLECULAR WEIGHT COMPRESSIBILITY FACTOR SPECIFIC HEAT RATIO SUCTION TEMPERATURE SUCTION PRESSURE CO2 43.32 0.910 1.266 45.0 DEG.C 20.9 BAR.A 120 100% SPEED ± 7800/132**77** PRESSURE (BAR.A) ŔРМ 110 201 100 90 80.500 80 (BAR.A) 70 DISCHARGE 60 105 % 50 100 % 95 % 40 90 % **\$5** % 30 SPEED RATIO 2246.0 (M3/HR) 3500 3000 2672 (KW) 2500 2000 1500 1000 500 0 600 1000 1400 1800 2200 2600 3000 SUCTION CAPACITY (M3/HR) NOTE DWG.NO. B11141823 Rated 3rd Rev5 8/

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3N4-S4274345

TITLE EXPECTED PERFORMANCE CURVES OF CO2 Compressor THESE CURVES ARE VALID IN THE FOLLOWING CONDITIONS. CO2 (43.32) 6 0.910 1.266 45.0 GAS HANDLED MOLECULAR WEIGHT
COMPRESSIBILITY FACTOR
SPECIFIC HEAT RATIO
SUCTION TEMPERATURE DEG.C SUCTION PRESSURE 20.9 BAR.A 13000 100% SPEED + 7800/(132**77**) ₿PM 12000 <u>/0i\</u> **≥**11000 SHOP HEAD 4000 4000 9172 (M) 8000 7000 105 % 6000 100 % 95 % 5000 90 % 85 % 4000 2246.0 (M3/HR) SPEED RATIO 100 <u>79.0</u> 80 (%)60 40 20 0 600 1000 1400 1800 2200 2600 3000 SUCTION CAPACITY (M3/HR) NOTE DWG.NO. Rated 3rd B11141824 Rev5

