

RC CYLINDER

TWIN COIL 400I

 TECHNICAL
 SPECIFICATION
 SHEET

APRIL 2020

This is a quick reference specification sheet. Full details can be found in the installation/service guide via remeha.co.uk/documents.

MODEL:

| | |
|----------------------------|-----|
| Storage Volume (litres) | 384 |
| Max Working/Pressure (bar) | 6 |

ErP DATA:

| | |
|-------------------------|------|
| Standing Loss (kWh)/24h | 1.72 |
| Standing Loss (W) | 71.7 |
| ErP Energy Class | C |

CONNECTIONS:

| | |
|--------------------------------------|----|
| Lower Coil F&R Connection (Inch/BSP) | 1" |
| Upper Coil F&R Connection (Inch/BSP) | 1" |
| Secondary Return (Inch/BSP) | 1" |
| Inlet Connection (Inch/BSP) | 1" |
| Outlet Connection (Inch/BSP) | 1" |
| Drain Connection (Inch/BSP) | 1" |

UNVENTED KIT:

UNVENTED KIT SUPPLIED WITH CYLINDER
 1 x 1" Integrated inlet control valve (pressure reducing valve 3.5 bar, pressure relief valve 6bar & single check valve)
 1 x 60 ltr Expansion vessel
 1 x Factory fitted temperature & pressure relief valve set at 90°C / 10 bar

CYLINDER DATA:

| | |
|--|------|
| Primary Coil Rating (kW) | 59.7 |
| Primary Coil Rate (litre/min) | 60 |
| Heat Up Time (Mins) | 21 |
| Lower Coil Surface Area m ² | 2 |
| Upper Coil Surface Area m ² | 1 |
| Maximum Pressure in Coil (bar) | 3 |

MODEL DIMENSIONS:

| | |
|---------------------------|------|
| Weight Full (kg) | 505 |
| Weight Empty (kg) | 105 |
| Insulation Thickness (mm) | 100 |
| Height of Cylinder (mm) | 1500 |
| Diameter of Cylinder (mm) | 872 |
| Service Clearance: | |
| Front (mm) | 250 |
| Sides (mm) | 250 |
| Above (mm) | 300 |
| Shipping: | |
| Width (mm) | 980 |
| Depth (mm) | 1180 |
| Height (mm) | 1625 |
| Weight (kg) | 141 |

NOTES:

RC CYLINDER

TWIN COIL 500I

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MODEL:

| | |
|----------------------------|-----|
| Storage Volume (litres) | 482 |
| Max Working/Pressure (bar) | 6 |

ErP DATA:

| | |
|-------------------------|------|
| Standing Loss (kWh)/24h | 2.14 |
| Standing Loss (W) | 89.2 |
| ErP Energy Class | C |

CONNECTIONS:

| | |
|--------------------------------------|----|
| Lower Coil F&R Connection (Inch/BSP) | 1" |
| Upper Coil F&R Connection (Inch/BSP) | 1" |
| Secondary Return (Inch/BSP) | 1" |
| Inlet Connection (Inch/BSP) | 1" |
| Outlet Connection (Inch/BSP) | 1" |
| Drain Connection (Inch/BSP) | 1" |

UNVENTED KIT:

UNVENTED KIT SUPPLIED WITH CYLINDER
 1 x 1" Integrated inlet control valve (pressure reducing valve 3.5 bar, pressure relief valve 6bar & single check valve)
 1 x 60 ltr Expansion vessel
 1 x Factory fitted temperature & pressure relief valve set at 90°C / 10 bar

CYLINDER DATA:

| | |
|--|------|
| Primary Coil Rating (kW) | 55.8 |
| Primary Coil Rate (litre/min) | 60 |
| Heat Up Time (Mins) | 28 |
| Lower Coil Surface Area m ² | 2 |
| Upper Coil Surface Area m ² | 1 |
| Maximum Pressure in Coil (bar) | 3 |

MODEL DIMENSIONS:

| | |
|---------------------------|------|
| Weight Full (kg) | 610 |
| Weight Empty (kg) | 110 |
| Insulation Thickness (mm) | 100 |
| Height of Cylinder (mm) | 1800 |
| Diameter of Cylinder (mm) | 872 |

Service Clearance:

| | |
|------------|-----|
| Front (mm) | 250 |
| Sides (mm) | 250 |
| Above (mm) | 300 |

Shipping:

| | |
|-------------|------|
| Width (mm) | 980 |
| Depth (mm) | 1180 |
| Height (mm) | 1920 |
| Weight (kg) | 143 |

NOTES:

RC CYLINDER

TWIN COIL 800I

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MODEL:

| | |
|----------------------------|-----|
| Storage Volume (litres) | 776 |
| Max Working/Pressure (bar) | 6 |

ErP DATA:

| | |
|-------------------------|-------|
| Standing Loss (kWh)/24h | 2.74 |
| Standing Loss (W) | 114.2 |
| ErP Energy Class | N/A |

CONNECTIONS:

| | |
|--------------------------------------|--------|
| Lower Coil F&R Connection (Inch/BSP) | 1 1/4" |
| Upper Coil F&R Connection (Inch/BSP) | 1 1/4" |
| Secondary Return (Inch/BSP) | 1" |
| Inlet Connection (Inch/BSP) | 1 1/4" |
| Outlet Connection (Inch/BSP) | 1 1/4" |
| Drain Connection (Inch/BSP) | 1" |

UNVENTED KIT:

UNVENTED KIT SUPPLIED WITH CYLINDER
 1 x 1 1/4" (1.5 - 6 bar) Pressure reducing valve
 1 x 1 1/4" (8 bar) Pressure relief valve
 1 x 1 1/4" Single check valve
 1 x 100 ltr floor mounted expansion vessel
 1 x Factory fitted temperature & pressure relief valve (90oC / 10 bar)

CYLINDER DATA:

| | |
|--|------|
| Primary Coil Rating (kW) | 76.9 |
| Primary Coil Rate (litre/min) | 60 |
| Heat Up Time (Mins) | 32 |
| Lower Coil Surface Area m ² | 3 |
| Upper Coil Surface Area m ² | 1.5 |
| Maximum Pressure in Coil (bar) | 3 |

MODEL DIMENSIONS:

| | |
|---------------------------|------|
| Weight Full (kg) | 964 |
| Weight Empty (kg) | 164 |
| Insulation Thickness (mm) | 100 |
| Height of Cylinder (mm) | 1906 |
| Diameter of Cylinder (mm) | 1024 |

| | |
|--------------------|-----|
| Service Clearance: | |
| Front (mm) | 250 |
| Sides (mm) | 250 |
| Above (mm) | 300 |

| | |
|-------------|------|
| Shipping: | |
| Width (mm) | 1120 |
| Depth (mm) | 1220 |
| Height (mm) | 2025 |
| Weight (kg) | 209 |

NOTES:

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TWIN COIL 1000I

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MODEL:

| | |
|----------------------------|-----|
| Storage Volume (litres) | 961 |
| Max Working/Pressure (bar) | 6 |

ErP DATA:

| | |
|-------------------------|-------|
| Standing Loss (kWh)/24h | 3.33 |
| Standing Loss (W) | 138.8 |
| ErP Energy Class | N/A |

CONNECTIONS:

| | |
|--------------------------------------|--------|
| Lower Coil F&R Connection (Inch/BSP) | 1 1/4" |
| Upper Coil F&R Connection (Inch/BSP) | 1 1/4" |
| Secondary Return (Inch/BSP) | 1" |
| Inlet Connection (Inch/BSP) | 1 1/4" |
| Outlet Connection (Inch/BSP) | 1 1/4" |
| Drain Connection (Inch/BSP) | 1" |

UNVENTED KIT:

UNVENTED KIT SUPPLIED WITH CYLINDER
 1 x 1 1/4" (1.5 - 6 bar) Pressure reducing valve
 1 x 1 1/4" (8 bar) Pressure relief valve
 1 x 1 1/4" Single check valve
 1 x 150 ltr floor mounted expansion vessel
 1 x Factory fitted temperature & pressure relief valve (90oC / 10 bar)

CYLINDER DATA:

| | |
|--|------|
| Primary Coil Rating (kW) | 76.5 |
| Primary Coil Rate (litre/min) | 60 |
| Heat Up Time (Mins) | 39 |
| Lower Coil Surface Area m ² | 3 |
| Upper Coil Surface Area m ² | 1.5 |
| Maximum Pressure in Coil (bar) | 3 |

MODEL DIMENSIONS:

| | |
|---------------------------|------|
| Weight Full (kg) | 1188 |
| Weight Empty (kg) | 188 |
| Insulation Thickness (mm) | 100 |
| Height of Cylinder (mm) | 2301 |
| Diameter of Cylinder (mm) | 1024 |
| Service Clearance: | |
| Front (mm) | 250 |
| Sides (mm) | 250 |
| Above (mm) | 300 |
| Shipping: | |
| Width (mm) | 1160 |
| Depth (mm) | 1250 |
| Height (mm) | 2450 |
| Weight (kg) | 265 |

NOTES:

RC CYLINDER

TWIN COIL 1250I

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MODEL:

| | |
|----------------------------|------|
| Storage Volume (litres) | 1206 |
| Max Working/Pressure (bar) | 6 |

ErP DATA:

| | |
|-------------------------|-------|
| Standing Loss (kWh)/24h | 3.6 |
| Standing Loss (W) | 150.0 |
| ErP Energy Class | N/A |

CONNECTIONS:

| | |
|--------------------------------------|--------|
| Lower Coil F&R Connection (Inch/BSP) | 1 1/2" |
| Upper Coil F&R Connection (Inch/BSP) | 1 1/2" |
| Secondary Return (Inch/BSP) | 1" |
| Inlet Connection (Inch/BSP) | 1 1/2" |
| Outlet Connection (Inch/BSP) | 1 1/2" |
| Drain Connection (Inch/BSP) | 1" |

UNVENTED KIT:

UNVENTED KIT SUPPLIED WITH CYLINDER
 1 x 1 1/2" (1.5 - 6 bar) Pressure reducing valve
 1 x 1 1/4" (8 bar) Pressure relief valve
 1 x 1 1/2" Single check valve
 1 x 150 ltr floor mounted expansion vessel
 1 x Factory fitted temperature & pressure relief valve (90oC / 10 bar)

CYLINDER DATA:

| | |
|--|------|
| Primary Coil Rating (kW) | 97.5 |
| Primary Coil Rate (litre/min) | 60 |
| Heat Up Time (Mins) | 40 |
| Lower Coil Surface Area m ² | 5 |
| Upper Coil Surface Area m ² | 2.5 |
| Maximum Pressure in Coil (bar) | 3 |

MODEL DIMENSIONS:

| | |
|---------------------------|------|
| Weight Full (kg) | 1569 |
| Weight Empty (kg) | 319 |
| Insulation Thickness (mm) | 100 |
| Height of Cylinder (mm) | 1937 |
| Diameter of Cylinder (mm) | 1224 |
| Service Clearance: | |
| Front (mm) | 250 |
| Sides (mm) | 250 |
| Above (mm) | 300 |
| Shipping: | |
| Width (mm) | 1300 |
| Depth (mm) | 1310 |
| Height (mm) | 2110 |
| Weight (kg) | 375 |

NOTES:

RC CYLINDER

TWIN COIL 1450I

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MODEL:

| | |
|----------------------------|------|
| Storage Volume (litres) | 1399 |
| Max Working/Pressure (bar) | 6 |

ErP DATA:

| | |
|-------------------------|-------|
| Standing Loss (kWh)/24h | 4.17 |
| Standing Loss (W) | 173.8 |
| ErP Energy Class | N/A |

CONNECTIONS:

| | |
|--------------------------------------|--------|
| Lower Coil F&R Connection (Inch/BSP) | 1 1/2" |
| Upper Coil F&R Connection (Inch/BSP) | 1 1/2" |
| Secondary Return (Inch/BSP) | 1" |
| Inlet Connection (Inch/BSP) | 1 1/2" |
| Outlet Connection (Inch/BSP) | 1 1/2" |
| Drain Connection (Inch/BSP) | 1" |

UNVENTED KIT:

UNVENTED KIT SUPPLIED WITH CYLINDER
 1 x 1 1/2" (1.5 - 6 bar) Pressure reducing valve
 1 x 1 1/4" (8 bar) Pressure relief valve
 1 x 1 1/2" Single check valve
 1 x 200 ltr floor mounted expansion vessel
 1 x Factory fitted temperature & pressure relief valve (90oC /10 bar)

CYLINDER DATA:

| | |
|--|------|
| Primary Coil Rating (kW) | 91.7 |
| Primary Coil Rate (litre/min) | 60 |
| Heat Up Time (Mins) | 50 |
| Lower Coil Surface Area m ² | 5 |
| Upper Coil Surface Area m ² | 2.5 |
| Maximum Pressure in Coil (bar) | 3 |

MODEL DIMENSIONS:

| | |
|---------------------------|------|
| Weight Full (kg) | 1872 |
| Weight Empty (kg) | 322 |
| Insulation Thickness (mm) | 100 |
| Height of Cylinder (mm) | 2253 |
| Diameter of Cylinder (mm) | 1224 |
| Service Clearance: | |
| Front (mm) | 250 |
| Sides (mm) | 250 |
| Above (mm) | 300 |
| Shipping: | |
| Width (mm) | 1360 |
| Depth (mm) | 1470 |
| Height (mm) | 2420 |
| Weight (kg) | 499 |

NOTES:

RC CYLINDER

TWIN COIL 2500l

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MODEL:

| | |
|----------------------------|------|
| Storage Volume (litres) | 2482 |
| Max Working/Pressure (bar) | 6 |

ErP DATA:

| | |
|-------------------------|-------|
| Standing Loss (kWh)/24h | 4.5 |
| Standing Loss (W) | 187.5 |
| ErP Energy Class | N/A |

CONNECTIONS:

| | |
|--------------------------------------|--------|
| Lower Coil F&R Connection (Inch/BSP) | 1 1/2" |
| Upper Coil F&R Connection (Inch/BSP) | 1 1/2" |
| Secondary Return (Inch/BSP) | 1" |
| Inlet Connection (Inch/BSP) | 2" |
| Outlet Connection (Inch/BSP) | 2" |
| Drain Connection (Inch/BSP) | 1" |

UNVENTED KIT:

UNVENTED KIT SUPPLIED WITH CYLINDER
 1 x 2" (1.5 - 6 bar) Pressure reducing valve
 1 x 1 1/2" (8 bar) Pressure relief valve
 1 x 2" Single check valve
 1 x 300 ltr floor mounted expansion vessel
 1 x Factory fitted temperature & pressure relief valve (90°C / 10 bar)

CYLINDER DATA:

| | |
|--|-------|
| Primary Coil Rating (kW) | 126.4 |
| Primary Coil Rate (litre/min) | 60 |
| Heat Up Time (Mins) | 62 |
| Lower Coil Surface Area m ² | 7.5 |
| Upper Coil Surface Area m ² | 5 |
| Maximum Pressure in Coil (bar) | 3 |

MODEL DIMENSIONS:

| | |
|---------------------------|------|
| Weight Full (kg) | 2950 |
| Weight Empty (kg) | 450 |
| Insulation Thickness (mm) | 100 |
| Height of Cylinder (mm) | 2416 |
| Diameter of Cylinder (mm) | 1476 |
| Service Clearance: | |
| Front (mm) | 250 |
| Sides (mm) | 250 |
| Above (mm) | 300 |
| Shipping: | |
| Width (mm) | 1600 |
| Depth (mm) | 1700 |
| Height (mm) | 2500 |
| Weight (kg) | 741 |

NOTES:

RC CYLINDER

TWIN COIL 2000I

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MODEL:

| | |
|----------------------------|------|
| Storage Volume (litres) | 1930 |
| Max Working/Pressure (bar) | 6 |

ErP DATA:

| | |
|-------------------------|-------|
| Standing Loss (kWh)/24h | 4.3 |
| Standing Loss (W) | 179.2 |
| ErP Energy Class | N/A |

CONNECTIONS:

| | |
|--------------------------------------|--------|
| Lower Coil F&R Connection (Inch/BSP) | 1 1/2" |
| Upper Coil F&R Connection (Inch/BSP) | 1 1/2" |
| Secondary Return (Inch/BSP) | 1" |
| Inlet Connection (Inch/BSP) | 2" |
| Outlet Connection (Inch/BSP) | 2" |
| Drain Connection (Inch/BSP) | 1" |

UNVENTED KIT:

| |
|--|
| UNVENTED KIT SUPPLIED WITH CYLINDER |
| 1 x 2" (1.5 - 6 bar) Pressure reducing valve |
| 1 x 1 1/2" (8 bar) Pressure relief valve |
| 1 x 2" Single check valve |
| 1 x 300 ltr floor mounted expansion vessel |
| 1 x Factory fitted temperature & pressure relief valve (90°C / 10 bar) |

CYLINDER DATA:

| | |
|--|-------|
| Primary Coil Rating (kW) | 132.2 |
| Primary Coil Rate (litre/min) | 60 |
| Heat Up Time (Mins) | 48 |
| Lower Coil Surface Area m ² | 7.5 |
| Upper Coil Surface Area m ² | 5 |
| Maximum Pressure in Coil (bar) | 3 |

MODEL DIMENSIONS:

| | |
|---------------------------|------|
| Weight Full (kg) | 2445 |
| Weight Empty (kg) | 445 |
| Insulation Thickness (mm) | 100 |
| Height of Cylinder (mm) | 2011 |
| Diameter of Cylinder (mm) | 1476 |
| Service Clearance: | |
| Front (mm) | 250 |
| Sides (mm) | 250 |
| Above (mm) | 300 |
| Shipping: | |
| Width (mm) | 1600 |
| Depth (mm) | 1700 |
| Height (mm) | 2190 |
| Weight (kg) | 517 |

NOTES: