

Hydraulic Power for all Industrial Applications



Table of Contents

Introduction

The World Class Brand 4-5

Cylinders (Hydraulic) 6-65

Introduction 6-7

RC-Series, Single-Acting Cylinders 8-11
and Accessories 12

RAC-Series, Single-Acting
Aluminium Cylinders 14-15

RACL-Series, Single-Acting
Aluminium Lock Nut Cylinders 16-17

RACH-Series, Single-Acting, Aluminium
Hollow Plunger Cylinders 18-19

RAR-Series, Double-Acting
Aluminium Cylinders 20-21

CLP-Series, Single-Acting
Pancake Cylinders 22-23

RSM-Series, Single-Acting
Flat-Jac® Cylinders 24-25

RCS-Series, Single-Acting
Low Height Cylinders 24-25

BRC-Series, Single-Acting
Pull Cylinders 26-27

BRP-Series, Single-Acting
Pull Cylinders 26-27

RCH-Series, Single-Acting
Hollow Plunger Cylinders 28-29

RRH-Series, Double-Acting
Hollow Plunger Cylinders 30-31

BRD-Series, Double-Acting
Precision Cylinders 32-33

RR-Series, Double-Acting
Long Stroke Cylinders 34-37

CLSG-Series, Single-Acting
High Tonnage Cylinders 38-41

CLS-Series, Single-Acting
High Tonnage Cylinders 42-45

CLRG-Series, Double-Acting
High Tonnage Cylinders 46-49

CLL-Series, Single-Acting
Lock Nut Cylinders 50-53

SLS-Series, Synchronous Systems 54-55

BLS, SL-Series, Stage Lift Systems 56-57

SHS-Series, SyncHoist,
Load Positioning Systems 58-59

JH, JHA-Series,
Steel and Aluminium Jacks 60

EBJ-Series, Steel Bottle Jacks 61

RC-Series, High Temperature &
Corrosion Resistant Products 62-63

SC-Series, Cylinder-Pump Sets 64-65

Pumps (Hydraulic) 66-105

Introduction 66-67

P-Series, Lightweight Hand Pumps 68-69

P-Series, Steel Hand Pumps 70-71

P-Series, Low Pressure Hand Pumps . 72-73

MP-Series, Multifluid Hand Pumps 74

P-Series, Foot Pump 75

P- and 11-Series,
Ultra-High Pressure Hand Pumps 76-77

PU-Series, Portable Economy
Electric Pumps 78-79

PE-Series, Submerged
Electric Pumps 80-83

Z-Class Introduction
ZE3 - ZE6, ZU4-Series 84-85

ZU4-Series, Electric Pumps 86-89

ZE-Series, Electric Pumps 90-95

PP-Series, Electric Pumps
(8000- and 9000-Series) 96-97

PA-Series, Turbo II Air Pumps 98-99

PA-Series, Air Hydraulic Pumps 100-101

PAH-Series, Air Hydraulic Pumps ... 102-103

PGM-Series, Atlas Gasoline
Powered Pumps 104-105

Yellow Pages (Information Section) .106-118

Global Warranty 106

Introduction and Standards 107

Safety Instructions 108-109

Cylinder-Pump Matching and Selection . 110

Hydraulic Work Sheet 111

Basic Hydraulic System Set-ups 112-113

Basic Hydraulics 114-115

Conversion Tables 116

Cylinder Speed Charts 117

Valve Information 118

System Components 119-132

Introduction 119

700-Series, High Pressure Hoses 120-121

A, C, F, T-Series, Couplers 122-123

HF-Series, Hydraulic Oil 124

A, AM-Series, Manifolds 124

FZ, BFZ-Series, Fittings 125

GP, GF-Series, Force Gauges 126-127

G, H-Series, Pressure Gauges 128-129

T-Series, Test System Gauges 130

DGR-Series, Digital Gauges 131

GA-Series, Gauge Accessories 132

Valves 133-139

Introduction 133

3-Way Directional Control Valves 134-135

4-Way Directional Control Valves 136-137

Pressure and Flow Control Valves ... 138-139

Hydraulic Presses 140-149

Introduction 140-141

VLP-Series, Bench and
Workshop Presses 142-143

BPR-Series, Roll Frame Presses 144-145

A-Series, C-Clamps Arbor Presses . 146-147

Press Accessories 148

LH-Series, Load Cells 149

TM-Series, Tension Meters 149

Pullers 150-163

Introduction 150-151

BHP-Series, Hydraulic Puller Sets .. 152-155

EP-Series,
Mechanical Posi-Lock® Pullers .. 156-159

EPH-Series,
Hydraulic Posi-Lock® Pullers 160-162

EPH-Series, 100 ton Posi Lock®
Hydraulic Grip Pullers 163

Tools 164-183

Introduction 164-165

MS-Series, Maintenance Sets 166-169

SP-Series, 35 Ton Hydraulic Punch 170-171

LW-Series, Lifting Wedge 172

SOH-Series, Hydraulic Machine Lifts 173

ER-Series,
Heavy Duty Load Skates 174-175

A, WR-Series, Wedgies and
Spread Cylinders 177

CM-Series, Storage Cases 176

WHC-WMC-Series,
Cutters & Cutterheads 178-179

STB-Series, Pipe Benders 180-181

DPT, PT-Series,
Post-Tensioning Tools..... 182-183

Bolting Tools 184-216

Introduction 184-185

NC-Series, Hydraulic Nut Splitters 186

FS-Series, Hydraulic Flange Spreaders .. 187

FSH, FSM-Series, Wedge Spreaders 188

ATM-Series, Flange Alignment Tools 189

S-Series, Square Drive Steel
Torque Wrenches 190-193

SQD-Series, Square Drive Aluminium
Torque Wrenches 194-197

W-Series, Steel Hexagon Cassette
Torque Wrenches 198-201

HXD-Series, Aluminium Hexagon
Cassette Torque Wrenches..... 202-205

Torque Wrench & Pump - Hose
Selection Matrix..... 206-207

PME, PMU-Series, Portable Electric
Torque Wrench Pumps..... 208

PTE-Series, Portable Electric
Torque Wrench Pumps..... 209

ZU4T-Series, Electric
Torque Wrench Pumps 210-213

PTA-Series, Air Driven
Torque Wrench Pumps..... 214

PMA-Series, High Flow Air Driven
Torque Wrench Pumps..... 215

Bolt, Nut and Thread Sizes 216

About Enerpac 217

Enerpac Worldwide Locations 218

Model Number Index 219

Model Number Index

Section Index

Page(s) ▼ Page(s) ▼ Page(s) ▼ Page(s) ▼

A
A5-A10 166
A12 12
A13-A28 166
A29-A53 12
A64-A66 124
A92 166, 177
A102 12
A128-A192 166
A183 146
A185 146, 166
A200R 148
A205-A220 146
A218 166
A242-A305 166
A310, A330 146
A530-A595 166
A604 123
A607 166
A630 123
A650 166
AH 123
AM 124
AR 123
ATM 189
AW 12

B
BAD 33
BFZ 125
BHP 152-155
BLS 56-57
BPR 144-145
BRC 26-27
BRD 32-33
BRP 26-27
BSS 90, 148
BZ 180-181

C
C 123
CAT 12, 25, 41
..... 49, 45, 53
CATG 15, 17
..... 21, 41, 49
CC 202-205
CD 123
CH 123, 194
CLL 50-53
CLP 22-23
CLRG 46-49
CLS 42-45
CLSG 38-41
CM 176
CR 123
CW 168

D
DGR 131
DPT 182-183

E
EBJ 61
ELP 174-175
EMB 174
EP 156-159
EPH 160-163
EPHT 163
EPP 157-159
EPT 160
EPX 159
ER 174-175
ES 174-175

F
F 123-124
FH 123-124
FR 123-124
FS 187
FSB 188
FSH 188
FSM 188
FZ 125

G
G 128-129
GA 132
GF 126-127
GP 126-127

H
H 120, 128-129
HA 121
HB 121
HC 121
HF 124
HP 29, 31
HR 204-205
HXD 202-205

I
IN 204-205
IPL 148

J
JBI 12
JH 60
JHA 60

L
LH 149
LW 172

M
MP 74
MS 166-169
MSP 171
MZ 1568-169

N
NC 186
NV 132

P
P 63, 68, 70, 72
P142AL 62-63
P392AL 62-63
P392FP 75
PA 100
PAH 102-103
PAM 101
PAMG 98-99
PATG 98-99
PARG 98-99
PC 68, 70, 72
PE 80-83
PF 92
PGM 104-105
PMA 207, 215
PME 206, 208
PMU 206, 208
PP 96-97
PT 182-183
PTA 207, 214
PTE 206, 209
PU 78-79

R
RAH 196-197
RAC 14
RACH 18
RACL 16
RAR 20
RB 12
RC 8-12, 62-63
RCH 28-29
RCS 24-25
REB 12
REP 12
RFL 98
RR 34-37
RRH 30-31
RSM 24-25
RWH 152

S
S 190-193
SB 92, 172, 188
SCH 64-65
SCL 64-65
SCP 64-65
SCR 64-65
SDA 192-193
SHS 58-59
SL 56-57
SLS 54-55
SOH 173
SP 170-171
SPD 171

SPK 170
SQD 194-197
STB 180-181
STC 178
STF 187-188
STN 186
STP 171
SW 188


T
T 122-123
THC 207
THQ 207
TM 149
TW 189

V
V 63, 138-139
VA2 101
VB 142, 148
VC 134-137
VE 134-137
VHJ 148
VLP 142-143
VM 134-137

W
W 198-201
WCB 178-179
WHC 178
WHR 178
WMC 179
WR 177


Z
Z 123
ZC 92-93
..... 133-135
ZE 85, 90-95
ZH 93
ZL 92
ZP 92-93
ZU4 84-89
ZU4T 207
..... 210-213
ZR 92

11 76-77
25A- 196-197
41- 77
43- 77, 130
45- 77
50A- 196-197
72- 76-77
83- 77, 130
75A- 196-197
100A- 196-197
160A- 196-197
270A- 196-197




Cylinders

Page 6-65




Pumps

Page 66-105




System Components

Page 119-132




Valves

Page 133-139




Presses

Page 140-149



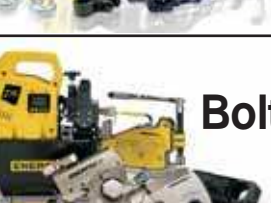
Pullers

Page 150-163



Tools

Page 164-183



Bolting Tools

Page 184-216