

SERIES M COMPRESSOR TECHNICAL DATA



Pos.	Description	Compressor 0.55kW
a	Fan Type	Radial, backward-curved
b	Fan Efficiency (η)	57.95
c	Speed Control Required	no
d	Measurement Category	B,D
e	Efficiency Category	total
f	Efficiency Rating N at BEP	53.18
g	Input Power P_e (kW)	0.48
h	Special Features	none
i	DC Voltage Below 100 V	no
j	List of All Components	see below
k	Specific Speed Q_{BEP}	0.224
l	Fan Speed (rpm)	2860
m	Specific ratio	1.01
n	Manufacturer name	Absaugwerk GmbH
o	Model code	M Series (all series)
p	Recycling and disposal	See the operating instructions
q	Information on installation, operation & maintenance	See the operating instructions

Pos.	Article number / Description
1	A008159-Impeller
2	A007657-Electric motor
3	A004167-Inlet nozzle

SERIES M COMPRESSOR TECHNICAL DATA



Pos.	Description	Compressor 1.1KW
a	Fan Type	Radial, backward-curved
b	Fan Efficiency (η)	62.06
c	Speed Control Required	no
d	Measurement Category	B, D
e	Efficiency Category	total
f	Efficiency Rating N at BEP	55.7
g	Input Power P_e (kW)	0.84
h	Special Features	none
i	DC Voltage Below 100 V	no
j	List of All Components	see below
k	Specific Speed Q_{BEP}	0.224
l	Fan Speed (rpm)	2900
m	Specific ratio	1.02
n	Manufacturer name	Absaugwerk GmbH
o	Model code	M Series (all series)
p	Recycling and disposal	see operating instructions
q	Information on installation, operation & maintenance	see operating instructions

Pos.	Article number / Description
1	A003178-Inlet nozzle
2	A007678-Electric motor
3	A008160-Impeller

SERIES M COMPRESSOR TECHNICAL DATA



Pos.	Description	Compressor 1.1KW
a	Fan Type	Radial, backward-curved
b	Fan Efficiency (η)	61.85
c	Speed Control Required	no
d	Measurement Category	B,D
e	Efficiency Category	total
f	Efficiency Rating N at BEP	56.7
g	Input Power P_e (kW)	1.05
h	Special Features	none
i	DC Voltage Below 100 V	no
j	List of All Components	see below
k	Specific Speed Q_{BEP}	0.213
l	Fan Speed (rpm)	2830
m	Specific ratio	1.02
n	Manufacturer name	Absaugwerk GmbH
o	Model code	M Series (230 V version)
p	Recycling and disposal	see operating instructions
q	Information on installation, operation & maintenance	see operating instructions

Pos.	Article number / Description
1	A003178-Inlet nozzle
2	A007678-Electric motor
3	A007355-Impeller

SERIES M COMPRESSOR TECHNICAL DATA



Pos.	Description	Compressor 2.2KW
a	Fan Type	Radial, backward-curved
b	Fan Efficiency (η)	65.42
c	Speed Control Required	no
d	Measurement Category	B, D
e	Efficiency Category	total
f	Efficiency Rating N at BEP	58.07
g	Input Power P_e (kW)	1.42
h	Special Features	none
i	DC Voltage Below 100 V	no
j	List of All Components	see below
k	Specific Speed Q_{BEP}	0.224
l	Fan Speed (rpm)	2910
m	Specific ratio	1.02
n	Manufacturer name	Absaugwerk GmbH
o	Model code	M Series (all series)
p	Recycling and disposal	see operating instructions
q	Information on installation, operation & maintenance	see operating instructions

Pos.	Article number / Description
1	A007671-Electric motor
2	A008161-Impeller
3	A008169-Inlet nozzle

SERIES M COMPRESSOR TECHNICAL DATA



Pos.	Description	Compressor 3.0KW
a	Fan Type	Radial, backward-curved
b	Fan Efficiency (η)	73.62
c	Speed Control Required	no
d	Measurement Category	B, D
e	Efficiency Category	total
f	Efficiency Rating N at BEP	60.04
g	Input Power P_e (kW)	2.17
h	Special Features	none
i	DC Voltage Below 100 V	no
j	List of All Components	see below
k	Specific Speed Q_{BEP}	0.237
l	Fan Speed (rpm)	2910
m	Specific ratio	1.03
n	Manufacturer name	Absaugwerk GmbH
o	Model code	M Series (all series)
p	Recycling and disposal	see operating instructions
q	Information on installation, operation & maintenance	see operating instructions

Pos.	Article number / Description
1	A008167-Electric motor
2	A008162-Impeller
3	A008170-Inlet nozzle

SERIES M COMPRESSOR TECHNICAL DATA



Pos.	Description	Compressor 4.0KW
a	Fan Type	Radial, backward-curved
b	Fan Efficiency (η)	75.46
c	Speed Control Required	no
d	Measurement Category	B, D
e	Efficiency Category	total
f	Efficiency Rating N at BEP	62.66
g	Input Power P_e (kW)	3.86
h	Special Features	none
i	DC Voltage Below 100 V	no
j	List of All Components	see below
k	Specific Speed Q_{BEP}	0.237
l	Fan Speed (rpm)	2920
m	Specific ratio	1.03
n	Manufacturer name	Absaugwerk GmbH
o	Model code	M Series (all series)
p	Recycling and disposal	see operating instructions
q	Information on installation, operation & maintenance	see operating instructions

Pos.	Article number / Description
1	A007686-Electric motor
2	A008163-Impeller
3	A008173-Inlet nozzle

SERIES M COMPRESSOR TECHNICAL DATA



Pos.	Description	Compressor 5.5KW
a	Fan Type	Radial, backward-curved
b	Fan Efficiency (η)	70.14
c	Speed Control Required	no
d	Measurement Category	B, D
e	Efficiency Category	total
f	Efficiency Rating N at BEP	63.41
g	Input Power P_e (kW)	4.55
h	Special Features	none
i	DC Voltage Below 100 V	no
j	List of All Components	see below
k	Specific Speed Q_{BEP}	0.224
l	Fan Speed (rpm)	2930
m	Specific ratio	1.04
n	Manufacturer name	Absaugwerk GmbH
o	Model code	M Series (all series)
p	Recycling and disposal	see operating instructions
q	Information on installation, operation & maintenance	see operating instructions

Pos.	Article number / Description
1	A008164-Impeller
2	A008166-Electric motor
3	A008173-Inlet nozzle

SERIES M COMPRESSOR TECHNICAL DATA



Pos.	Description	Compressor 7.5KW
a	Fan Type	Radial, backward-curved
b	Fan Efficiency (η)	78.11
c	Speed Control Required	no
d	Measurement Category	B, D
e	Efficiency Category	total
f	Efficiency Rating N at BEP	64.95
g	Input Power P_e (kW)	6.37
h	Special Features	none
i	DC Voltage Below 100 V	no
j	List of All Components	see below
k	Specific Speed Q_{BEP}	0.237
l	Fan Speed (rpm)	2930
m	Specific ratio	1.04
n	Manufacturer name	Absaugwerk GmbH
o	Model code	M Series (all series except B)
p	Recycling and disposal	see operating instructions
q	Information on installation, operation & maintenance	see operating instructions

Pos.	Article number / Description
1	A008165-Impeller
2	A007697-Electric motor
3	A008175-Inlet nozzle

SERIES M COMPRESSOR TECHNICAL DATA



Pos.	Description	Compressor 7.5KW
a	Fan Type	Radial, backward-curved
b	Fan Efficiency (η)	78.33
c	Speed Control Required	no
d	Measurement Category	B, D
e	Efficiency Category	total
f	Efficiency Rating N at BEP	65.78
g	Input Power P_e (kW)	7.65
h	Special Features	none
i	DC Voltage Below 100 V	no
j	List of All Components	see below
k	Specific Speed Q_{BEP}	0.357
l	Fan Speed (rpm)	2930
m	Specific ratio	1.03
n	Manufacturer name	Absaugwerk GmbH
o	Model code	M Series (B Series)
p	Recycling and disposal	see operating instructions
q	Information on installation, operation & maintenance	see operating instructions

Pos.	Article number / Description
1	A004275-Impeller
2	A007697-Electric motor
3	A008179-Inlet nozzle

SERIES M COMPRESSOR TECHNICAL DATA



Pos.	Description	Compressor 11KW
a	Fan Type	Radial, backward-curved
b	Fan Efficiency (η)	69.01
c	Speed Control Required	no
d	Measurement Category	B, D
e	Efficiency Category	total
f	Efficiency Rating N at BEP	67.07
g	Input Power P_e (kW)	11.33
h	Special Features	none
i	DC Voltage Below 100 V	no
j	List of All Components	see below
k	Specific Speed Q_{BEP}	0.342
l	Fan Speed (rpm)	2930
m	Specific ratio	1.04
n	Manufacturer name	Absaugwerk GmbH
o	Model code	M Series (all series except W)
p	Recycling and disposal	see operating instructions
q	Information on installation, operation & maintenance	see operating instructions

Pos.	Article number / Description
1	A003360-Impeller
2	A007661-Electric motor
3	A008179-Inlet nozzle

SERIES M COMPRESSOR TECHNICAL DATA



Pos.	Description	Compressor 11KW
a	Fan Type	Radial, backward-curved
b	Fan Efficiency (η)	71.39
c	Speed Control Required	no
d	Measurement Category	B,D
e	Efficiency Category	total
f	Efficiency Rating N at BEP	67.25
g	Input Power P_e (kW)	13.29
h	Special Features	none
i	DC Voltage Below 100 V	no
j	List of All Components	see below
k	Specific Speed Q_{BEP}	0.224
l	Fan Speed (rpm)	2930
m	Specific ratio	1.06
n	Manufacturer name	Absaugwerk GmbH
o	Model code	M Series (W Series)
p	Recycling and disposal	see operating instructions
q	Information on installation, operation & maintenance	see operating instructions

Pos.	Article number / Description
1	A003368-Impeller
2	A007661-Electric motor
3	A008177-Inlet nozzle

SERIES M COMPRESSOR TECHNICAL DATA



Pos.	Description	Compressor 15KW
a	Fan Type	Radial, backward-curved
b	Fan Efficiency (η)	77.31
c	Speed Control Required	no
d	Measurement Category	B, D
e	Efficiency Category	total
f	Efficiency Rating N at BEP	67.38
g	Input Power P_e (kW)	15.07
h	Special Features	none
i	DC Voltage Below 100 V	no
j	List of All Components	see below
k	Specific Speed Q_{BEP}	0.333
l	Fan Speed (rpm)	2940
m	Specific ratio	1.05
n	Manufacturer name	Absaugwerk GmbH
o	Model code	M Series (all series except W)
p	Recycling and disposal	see operating instructions
q	Information on installation, operation & maintenance	see operating instructions

Pos.	Article number / Description
1	A003363-Impeller
2	A007662-Electric motor
3	A008181-Inlet nozzle

SERIES M COMPRESSOR TECHNICAL DATA



Pos.	Description	Compressor 15KW
a	Fan Type	Radial, backward-curved
b	Fan Efficiency (η)	73.4
c	Speed Control Required	no
d	Measurement Category	B, D
e	Efficiency Category	total
f	Efficiency Rating N at BEP	67.23
g	Input Power P_e (kW)	13.14
h	Special Features	none
i	DC Voltage Below 100 V	no
j	List of All Components	see below
k	Specific Speed Q_{BEP}	0.224
l	Fan Speed (rpm)	2940
m	Specific ratio	1.06
n	Manufacturer name	Absaugwerk GmbH
o	Model code	M Series (W Series)
p	Recycling and disposal	see operating instructions
q	Information on installation, operation & maintenance	see operating instructions

Pos.	Article number / Description
1	A003371-Impeller
2	A007662-Electric motor
3	A008177-Inlet nozzle

SERIES M COMPRESSOR TECHNICAL DATA



Pos.	Description	Compressor 18.5KW
a	Fan Type	Radial, backward-curved
b	Fan Efficiency (η)	69.69
c	Speed Control Required	no
d	Measurement Category	B, D
e	Efficiency Category	total
f	Efficiency Rating N at BEP	67.69
g	Input Power P_e (kW)	19.9
h	Special Features	none
i	DC Voltage Below 100 V	no
j	List of All Components	???
k	Specific Speed Q_{BEP}	0.342
l	Fan Speed (rpm)	2940
m	Specific ratio	1.05
n	Manufacturer name	Absaugwerk GmbH
o	Model code	M Series (all series except W)
p	Recycling and disposal	see operating instructions
q	Information on installation, operation & maintenance	see operating instructions

Pos.	Article number / Description
1	A003364-Impeller
2	A007666-Electric motor
3	A008181-Inlet nozzle

SERIES M COMPRESSOR TECHNICAL DATA



Pos.	Description	Compressor 18.5KW
a	Fan Type	Radial, backward-curved
b	Fan Efficiency (η)	80.13
c	Speed Control Required	no
d	Measurement Category	B, D
e	Efficiency Category	total
f	Efficiency Rating N at BEP	67.69
g	Input Power P_e (kW)	19.9
h	Special Features	none
i	DC Voltage Below 100 V	no
j	List of All Components	???
k	Specific Speed Q_{BEP}	0.237
l	Fan Speed (rpm)	2940
m	Specific ratio	1.07
n	Manufacturer name	Absaugwerk GmbH
o	Model code	M Series (W Series)
p	Recycling and disposal	see operating instructions
q	Information on installation, operation & maintenance	see operating instructions

Pos.	Article number / Description
1	A003372-Impeller
2	A007666-Electric motor
3	A008179-Inlet nozzle

SERIES M COMPRESSOR TECHNICAL DATA



Pos.	Description	Compressor 22KW
a	Fan Type	Radial, backward-curved
b	Fan Efficiency (η)	81
c	Speed Control Required	no
d	Measurement Category	B, D
e	Efficiency Category	total
f	Efficiency Rating N at BEP	67.89
g	Input Power P_e (kW)	2.17
h	Special Features	none
i	DC Voltage Below 100 V	no
j	List of All Components	see below
k	Specific Speed Q_{BEP}	0.357
l	Fan Speed (rpm)	2940
m	Specific ratio	1.05
n	Manufacturer name	Absaugwerk GmbH
o	Model code	M Series (all series except W)
p	Recycling and disposal	see operating instructions
q	Information on installation, operation & maintenance	see operating instructions

Pos.	Article number / Description
1	A003370-Impeller
2	A007673-Electric motor
3	A008183-Inlet nozzle

SERIES M COMPRESSOR TECHNICAL DATA



Pos.	Description	Compressor 22KW
a	Fan Type	Radial, backward-curved
b	Fan Efficiency (η)	81.14
c	Speed Control Required	no
d	Measurement Category	B, D
e	Efficiency Category	total
f	Efficiency Rating N at BEP	67.68
g	Input Power P_e (kW)	19.77
h	Special Features	none
i	DC Voltage Below 100 V	no
j	List of All Components	see below
k	Specific Speed Q_{BEP}	0.237
l	Fan Speed (rpm)	2940
m	Specific ratio	1.07
n	Manufacturer name	Absaugwerk GmbH
o	Model code	M Series (W Series)
p	Recycling and disposal	see operating instructions
q	Information on installation, operation & maintenance	see operating instructions

Pos.	Article number / Description
1	A003369-Impeller
2	A007673-Electric motor
3	A008179-Inlet nozzle