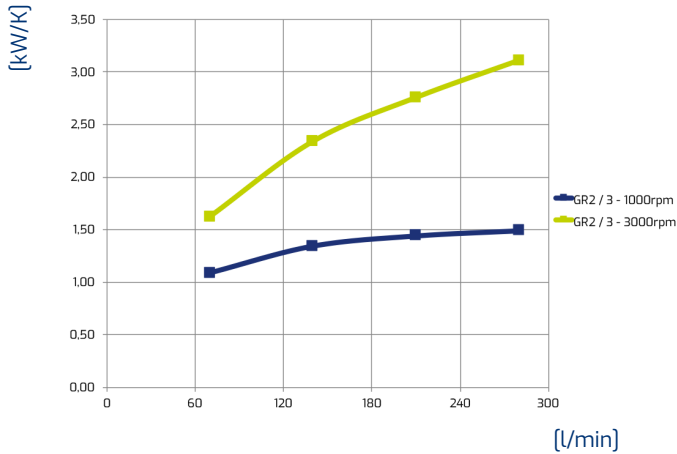


Vertical or horizontal mounting

Technical data

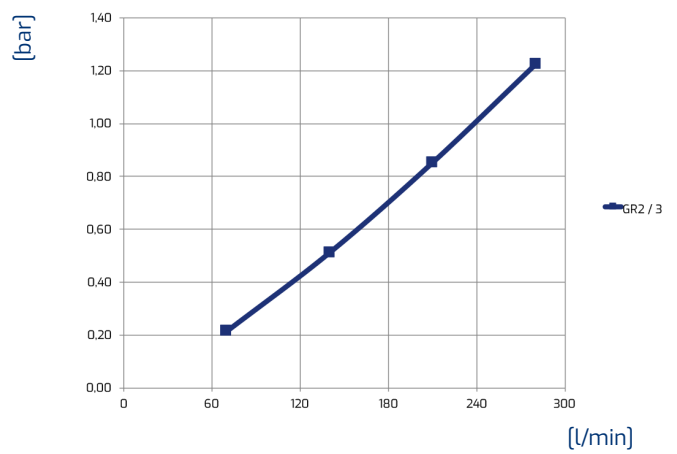
Item	Oil flow	Capacity	Weight	Voltage	Frequency	Current absorption	Ø Fan	Air flow	Noise level	Rpm
	[l/min]	[l]	[kg]	[V]	[Hz]	[A]	[mm]	[m³/h]	[dB(A)]	
HY235.1-06A	70-280	20,2	89				630	5232	81	1000
HY235.1-06A	70-280	20,2	89				630	17500	105	3000

Performance



OIL T 80°C  
T Amb. 40°C  
1 kW = 860 Kcal/h - 1 HP = 0.75 kW

Pressure drop

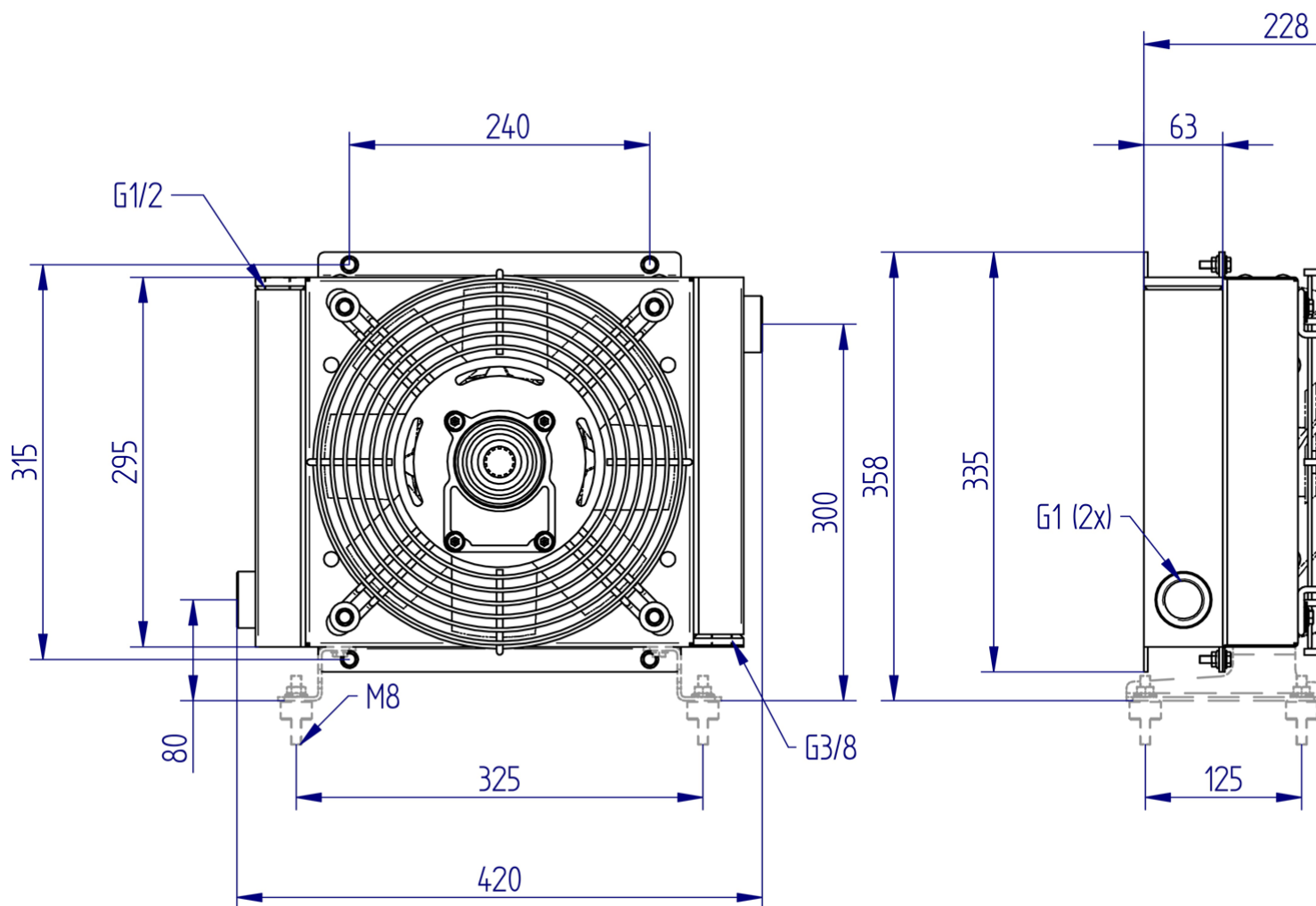


ISO VG 32 at 40°C

Viscosity - ISO VG 32 Oil

Oil	22	32	46	68	150
Correction factor	0,8	1	1,2	1,6	3

Technical data are not binding - The graphs show the central range of heat exchange data

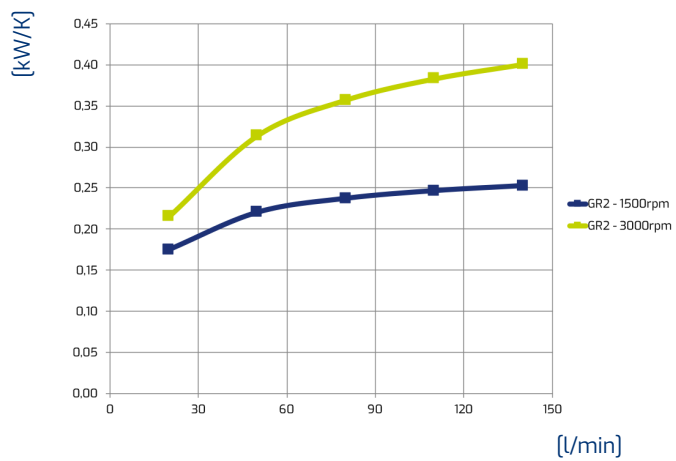


Technical data

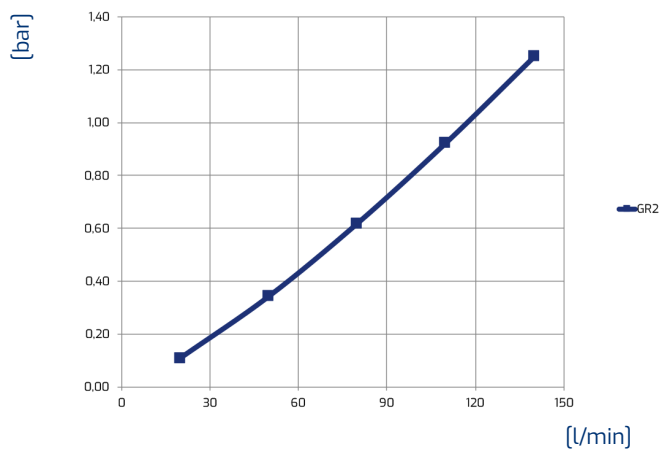
Item	Oil flow	Capacity	Weight	Voltage	Frequency	Current absorption	Ø Fan	Air flow	Noise level	Rpm
	[l/min]	[l]	[kg]	[V]	[Hz]	[A]	[mm]	[m³/h]	[dB(A)]	
<b>HY024.1-05A</b>	20-140	2	12				280	1020	76,3	1500
<b>HY024.1-05A</b>	20-140	2	12				280	2090	91,3	3000

Performance

Pressure drop



Oil T 80°C  
 T Amb. 40°C  
 1 kW = 860 Kcal/h - 1 HP = 0,75 kW

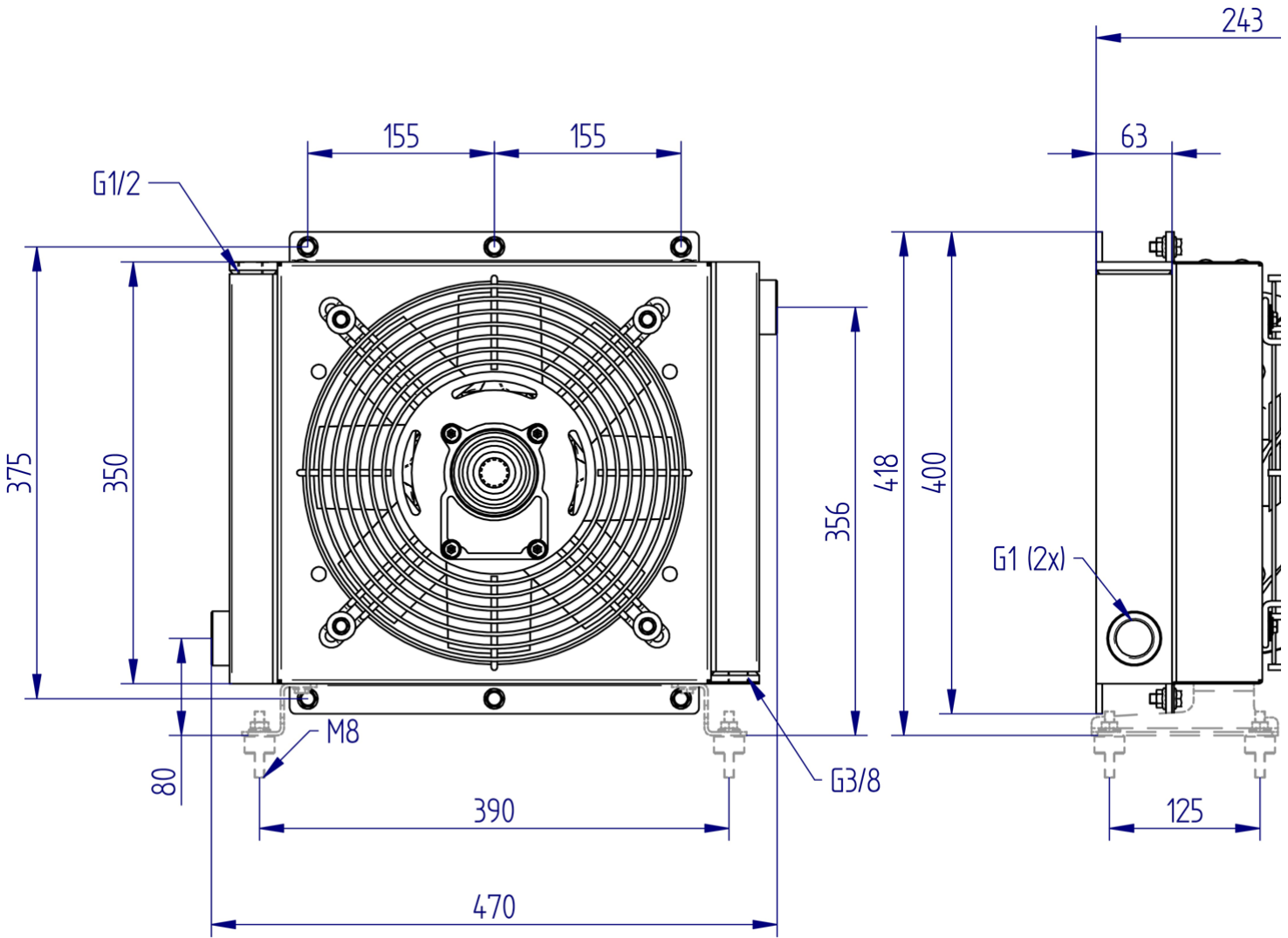


ISO VG 32 at 40°C

**Viscosity - ISO VG 32 Oil**

Oil	22	32	46	68	150
Correction factor	0,8	1	1,2	1,6	3

Technical data are not binding - The graphs show the central range of heat exchange data

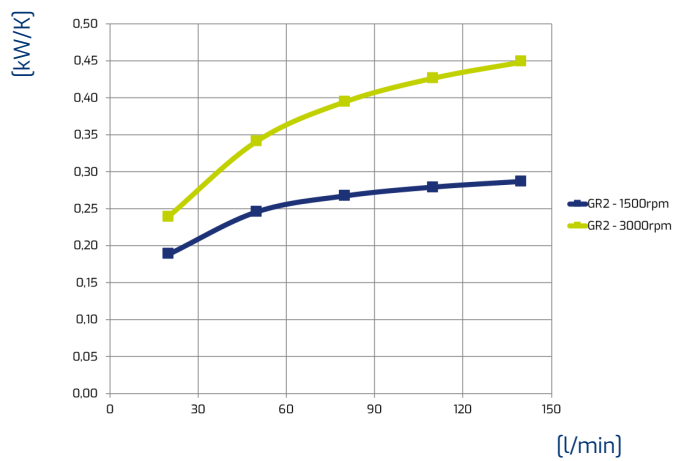


Technical data

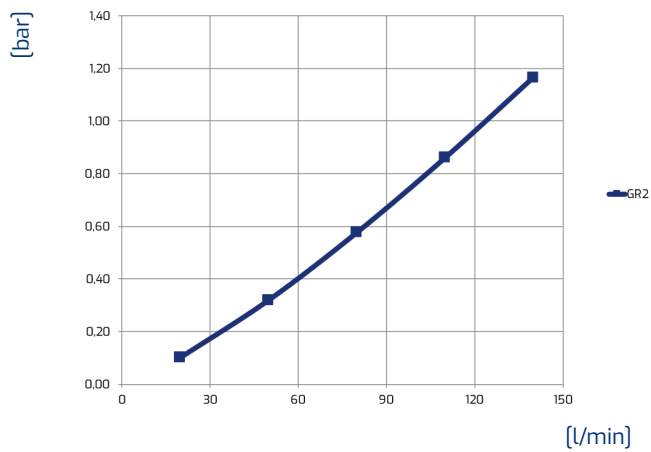
Item	Oil flow	Capacity	Weight	Voltage	Frequency	Current absorption	Ø Fan	Air flow	Noise level	Rpm
	[l/min]	[l]	[kg]	[V]	[Hz]	[A]	[mm]	[m³/h]	[dB(A)]	
HY038.1-05A	20-140	2,5	13,5				300	1291	74	1500
HY038.1-05A	20-140	2,5	13,5				300	2658	88,8	3000

Performance

Pressure drop



Oil T 80°C  
 T Amb. 40°C  
 1 kW = 860 Kcal/h - 1 HP = 0,75 kW

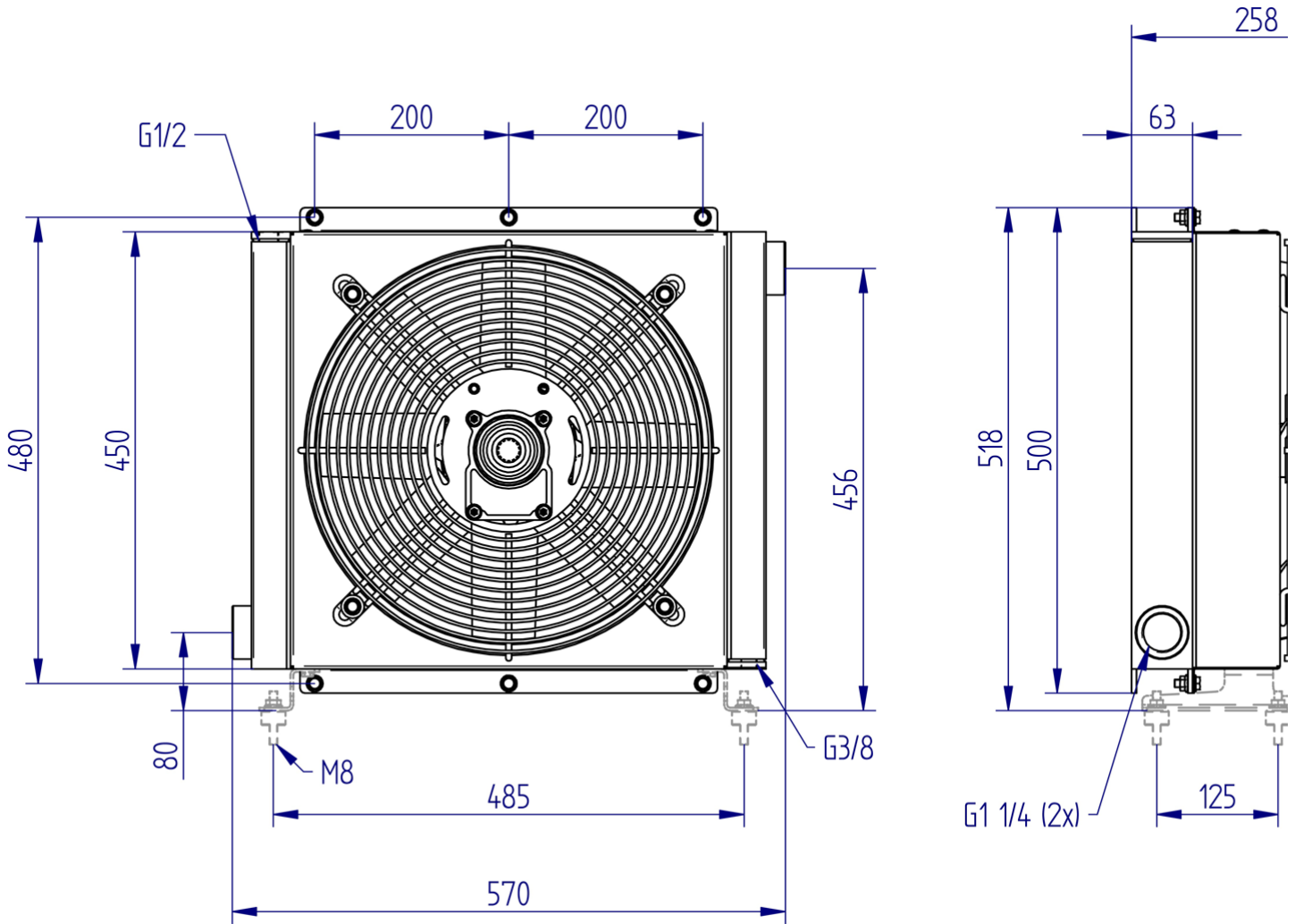


ISO VG 32 at 40°C

**Viscosity - ISO VG 32 Oil**

Oil	22	32	46	68	150
Correction factor	0,8	1	1,2	1,6	3

Technical data are not binding - The graphs show the central range of heat exchange data

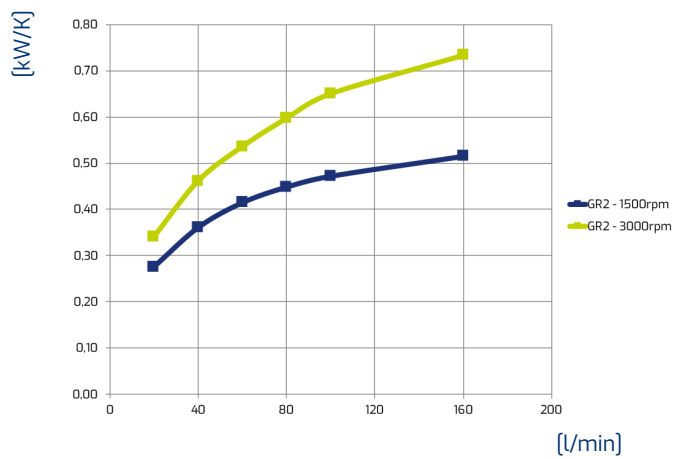


Technical data

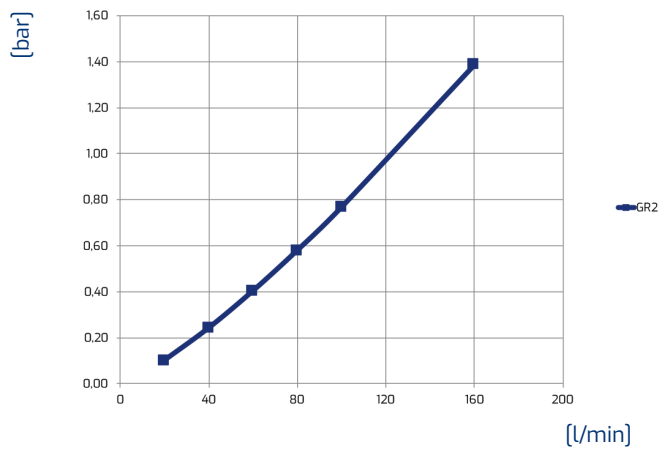
Item	Oil flow	Capacity	Weight	Voltage	Frequency	Current absorption	Ø Fan	Air flow	Noise level	Rpm
	[l/min]	[l]	[kg]	[V]	[Hz]	[A]	[mm]	[m³/h]	[dB(A)]	
<b>HY057.1-05A</b>	20-160	3,7	18				390	2810	76,9	1500
<b>HY057.1-05A</b>	20-160	3,7	18				390	5810	91,7	3000

Performance

Pressure drop



Oil T 80°C  
 T Amb. 40°C  
 1 kW = 860 Kcal/h - 1 HP = 0,75 kW



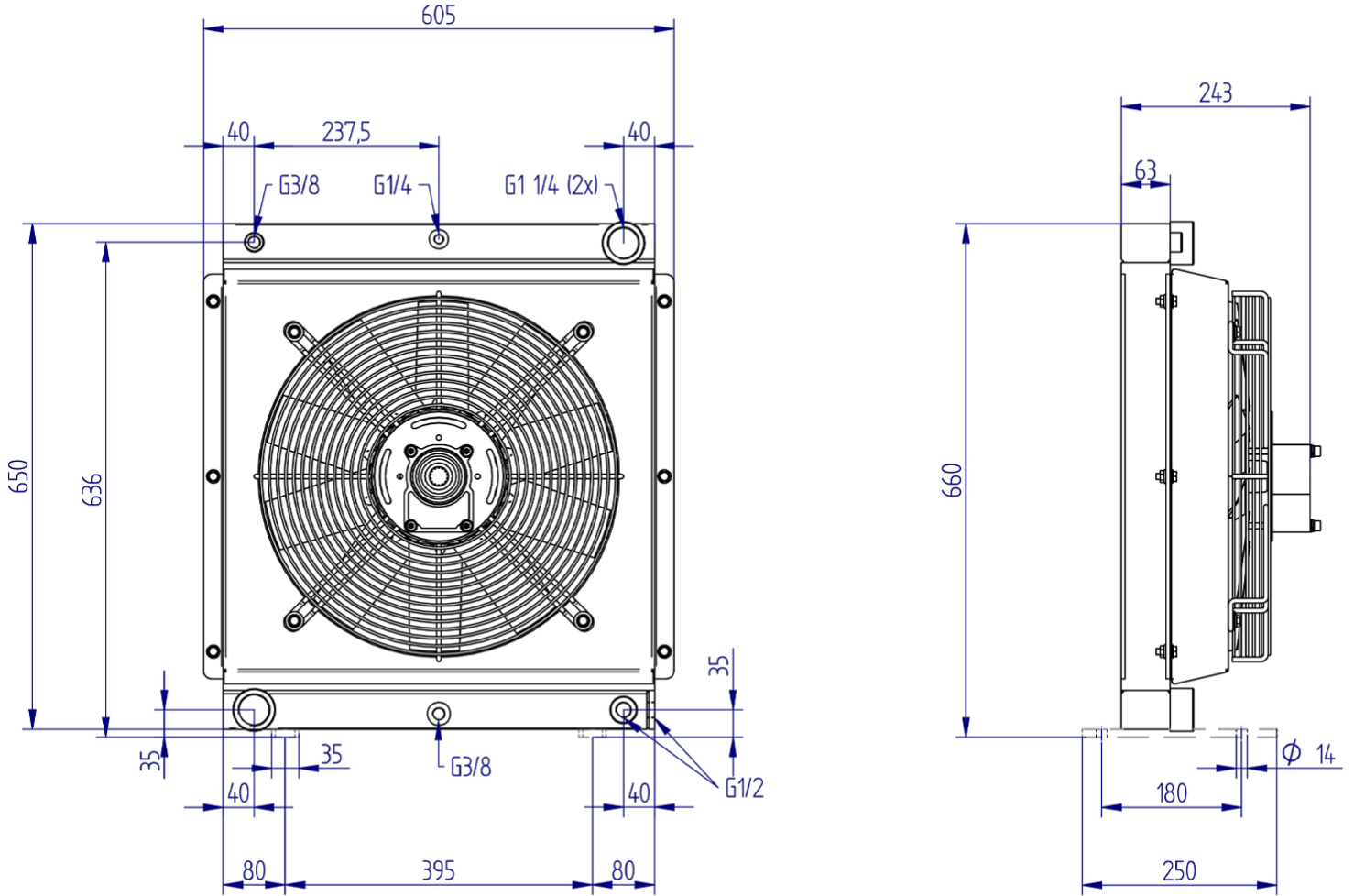
ISO VG 32 at 40°C

**Viscosity - ISO VG 32 Oil**

Oil	22	32	46	68	150
Correction factor	0,8	1	1,2	1,6	3

Technical data are not binding - The graphs show the central range of heat exchange data



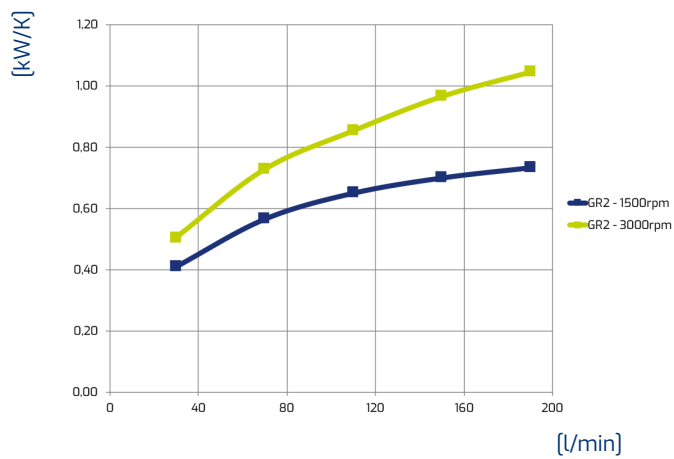


Technical data

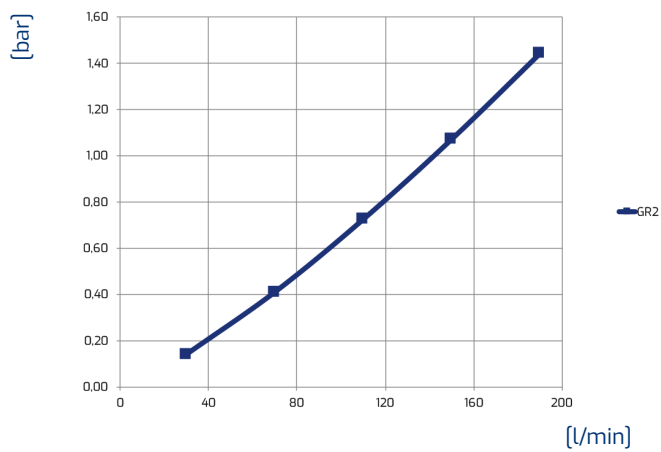
Item	Oil flow	Capacity	Weight	Voltage	Frequency	Current absorption	Ø Fan	Air flow	Noise level	Rpm
	[l/min]	[l]	[kg]	[V]	[Hz]	[A]	[mm]	[m³/h]	[dB(A)]	
<b>HY090.1-05A</b>	30-190	5,3	29				450	5400	82	1500
<b>HY090.1-05A</b>	30-190	5,3	29				450	11300	97	3000

Performance

Pressure drop



Oil T 80°C  
 T Amb. 40°C  
 1 kW = 860 Kcal/h - 1 HP = 0,75 kW

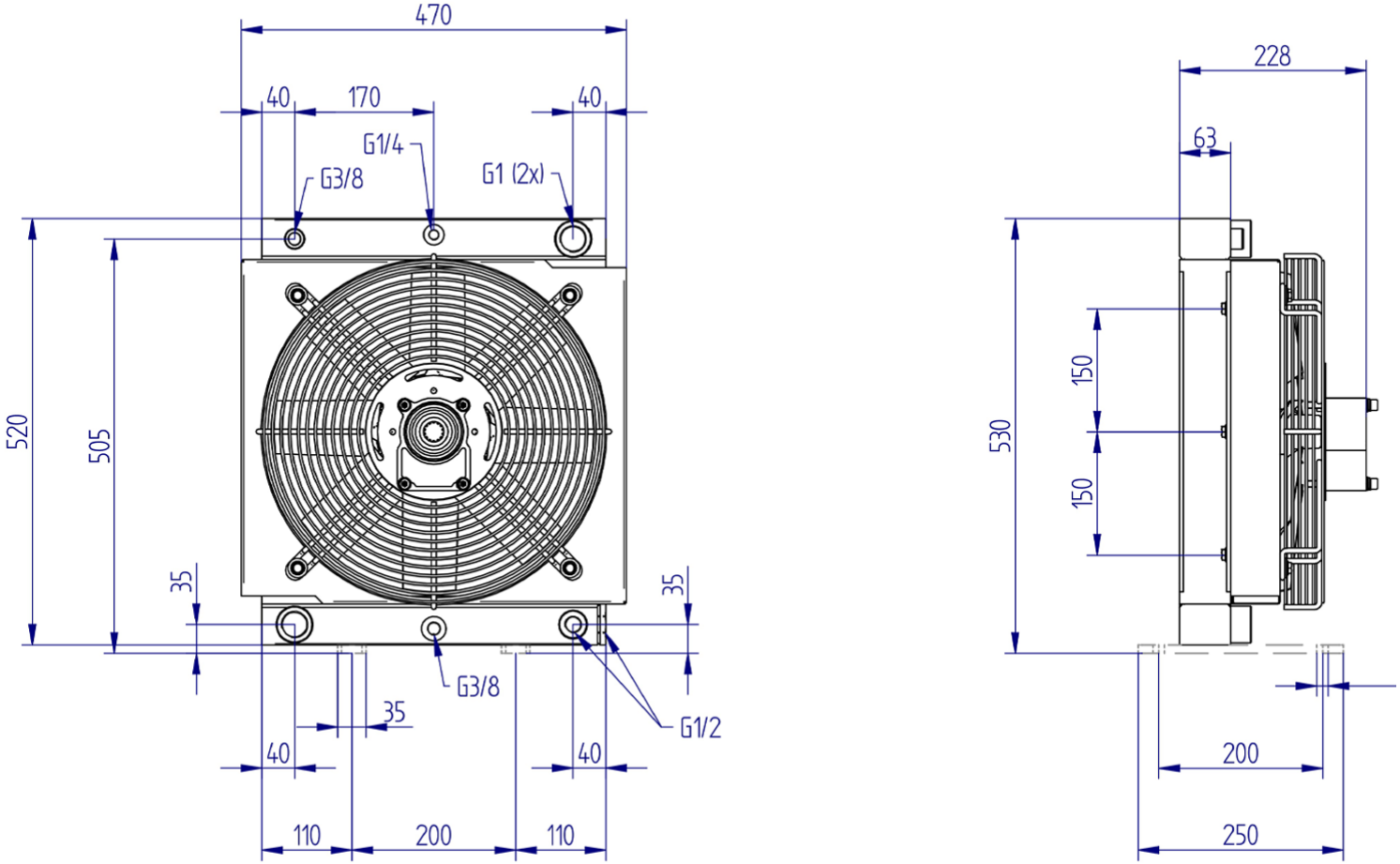


ISO VG 32 at 40°C

**Viscosity - ISO VG 32 Oil**

Oil	22	32	46	68	150
Correction factor	0,8	1	1,2	1,6	3

Technical data are not binding - The graphs show the central range of heat exchange data

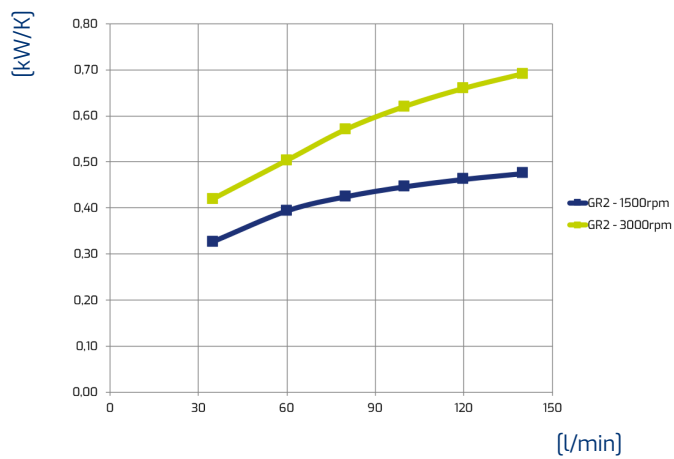


Technical data

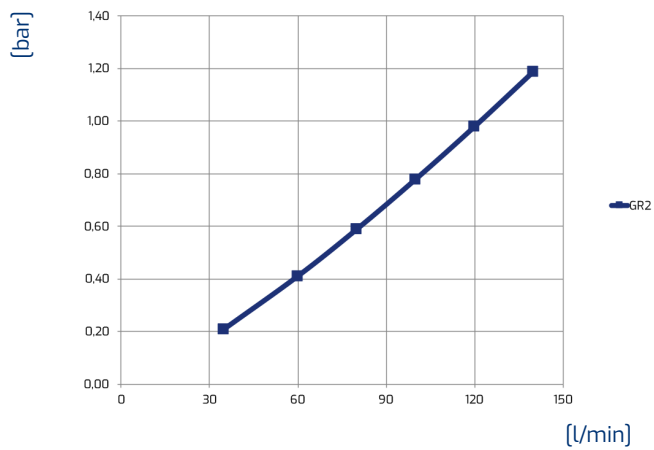
Item	Oil flow	Capacity	Weight	Voltage	Frequency	Current absorption	Ø Fan	Air flow	Noise level	Rpm
	[l/min]	[l]	[kg]	[V]	[Hz]	[A]	[mm]	[m³/h]	[dB(A)]	
<b>HY210.1-05A</b>	35-140	3,3	20,5				390	2554	78	1500
<b>HY210.1-05A</b>	35-140	3,3	20,5				390	5402	92,5	3000

Performance

Pressure drop



Oil T 80°C  
 T Amb. 40°C  
 1 kW = 860 Kcal/h - 1 HP = 0,75 kW

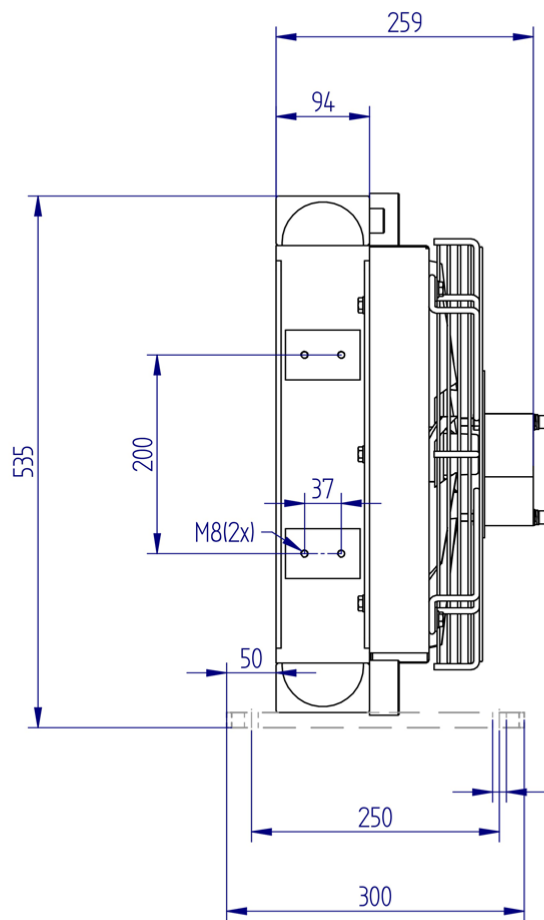
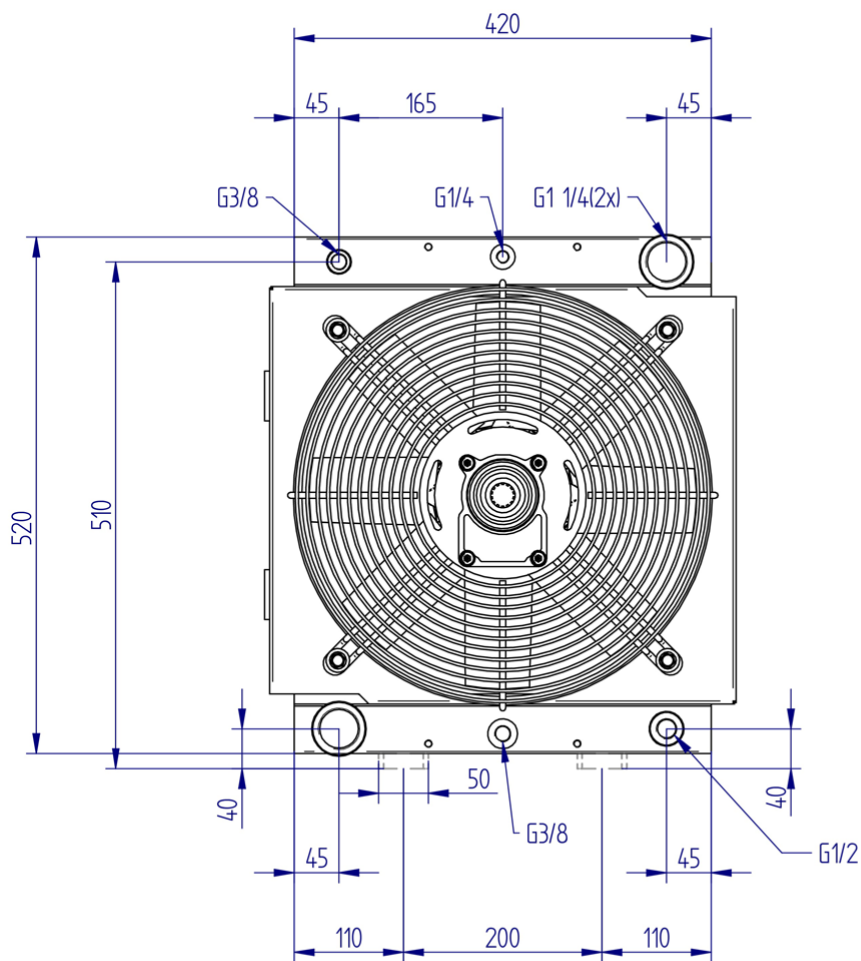


ISO VG 32 at 40°C

**Viscosity - ISO VG 32 Oil**

Oil	22	32	46	68	150
Correction factor	0,8	1	1,2	1,6	3

Technical data are not binding - The graphs show the central range of heat exchange data

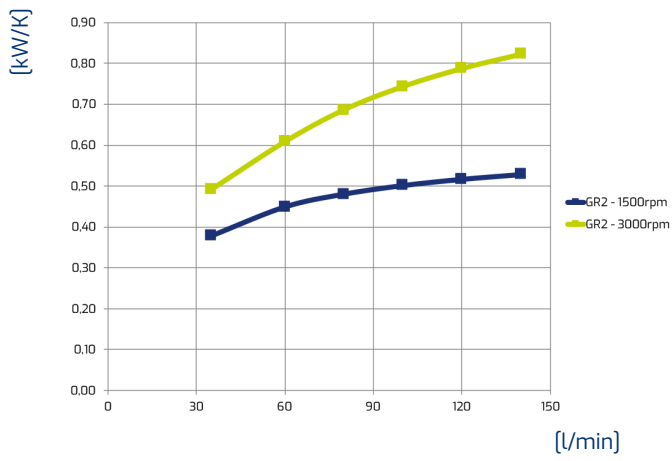


### Technical data

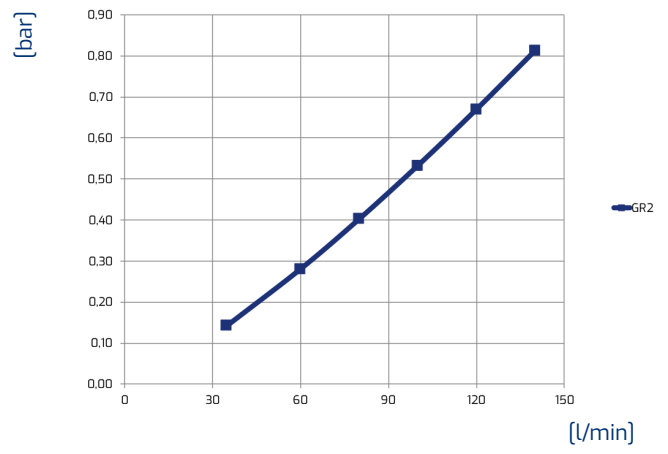
Item	Oil flow	Capacity	Weight	Voltage	Frequency	Current absorption	Ø Fan	Air flow	Noise level	Rpm
	[l/min]	[l]	[kg]	[V]	[Hz]	[A]	[mm]	[m³/h]	[dB(A)]	
<b>HY215.1-05A</b>	35-140	5,3	26				390	2281	79,1	1500
<b>HY215.1-05A</b>	35-140	5,3	26				390	4860	92,5	3000

### Performance

### Pressure drop



Oil T 80°C  
 T Amb. 40°C  
 1 kW = 860 Kcal/h - 1 HP = 0,75 kW

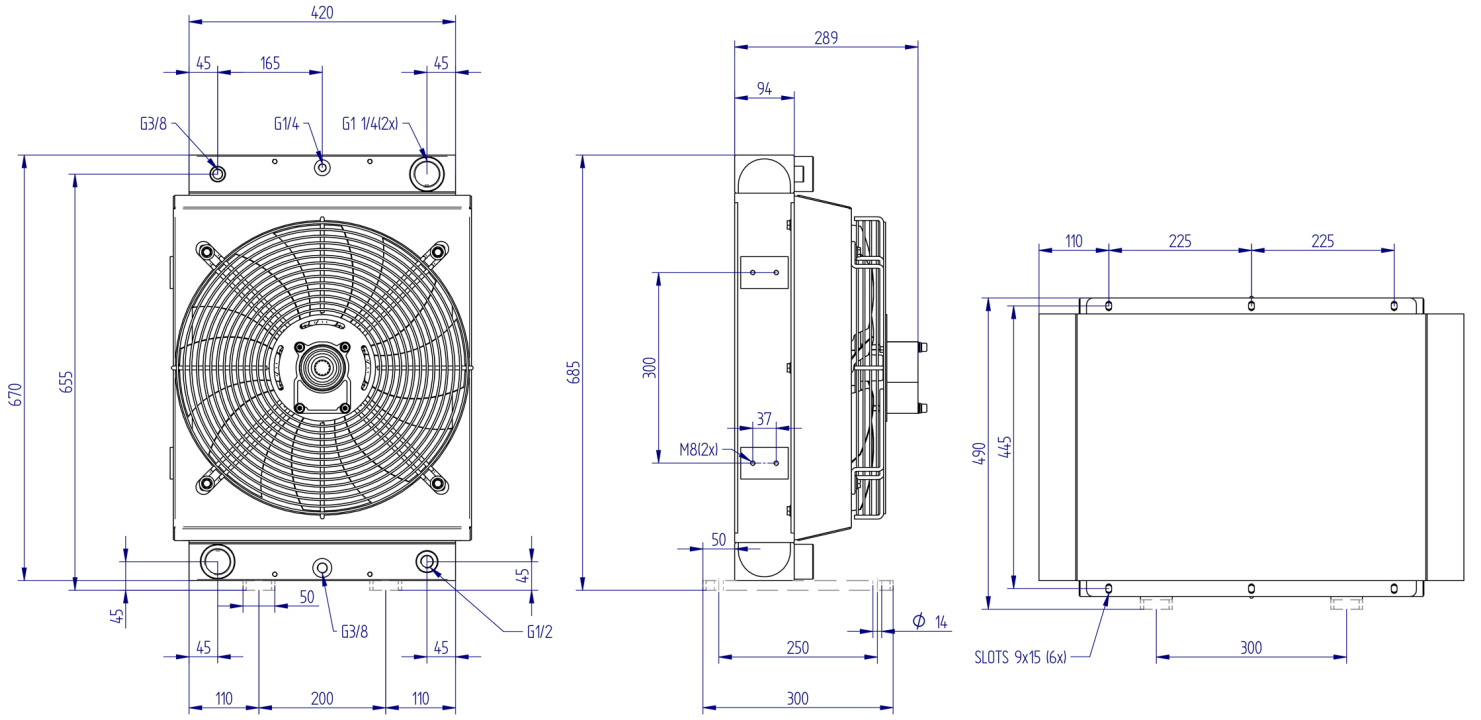


ISO VG 32 at 40°C

**Viscosity - ISO VG 32 Oil**

Oil	22	32	46	68	150
Correction factor	0,8	1	1,2	1,6	3

Technical data are not binding - The graphs show the central range of heat exchange data

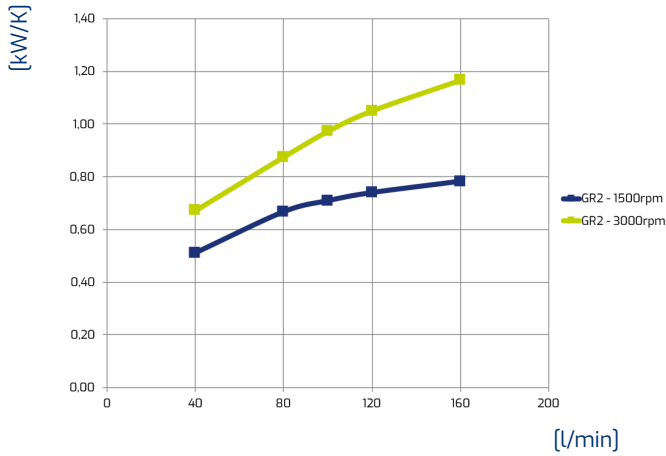


Vertical or horizontal mounting

Technical data

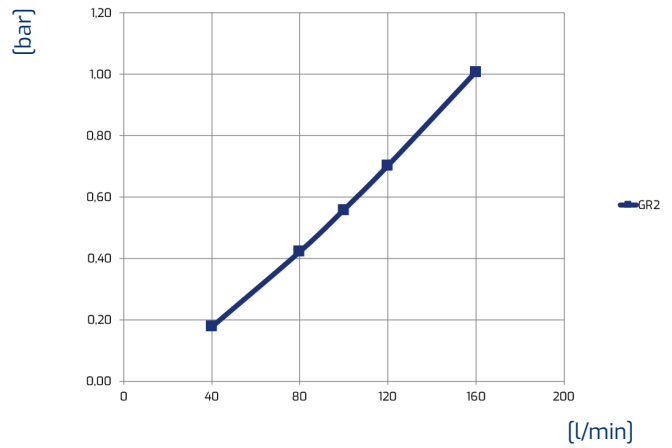
Item	Oil flow	Capacity	Weight	Voltage	Frequency	Current absorption	Ø Fan	Air flow	Noise level	Rpm
	[l/min]	[l]	[kg]	[V]	[Hz]	[A]	[mm]	[m³/h]	[dB(A)]	
HY220.1-05A	40-160	6,8	34				450	3778	84,4	1500
HY220.1-05A	40-160	6,8	34				450	8461	102	3000

Performance



OIL T 80°C  
T Amb. 40°C  
1 kW = 860 Kcal/h - 1 HP = 0,75 kW

Pressure drop



ISO VG 32 at 40°C

Viscosity - ISO VG 32 Oil

Oil	22	32	46	68	150
Correction factor	0,8	1	1,2	1,6	3

Technical data are not binding - The graphs show the central range of heat exchange data

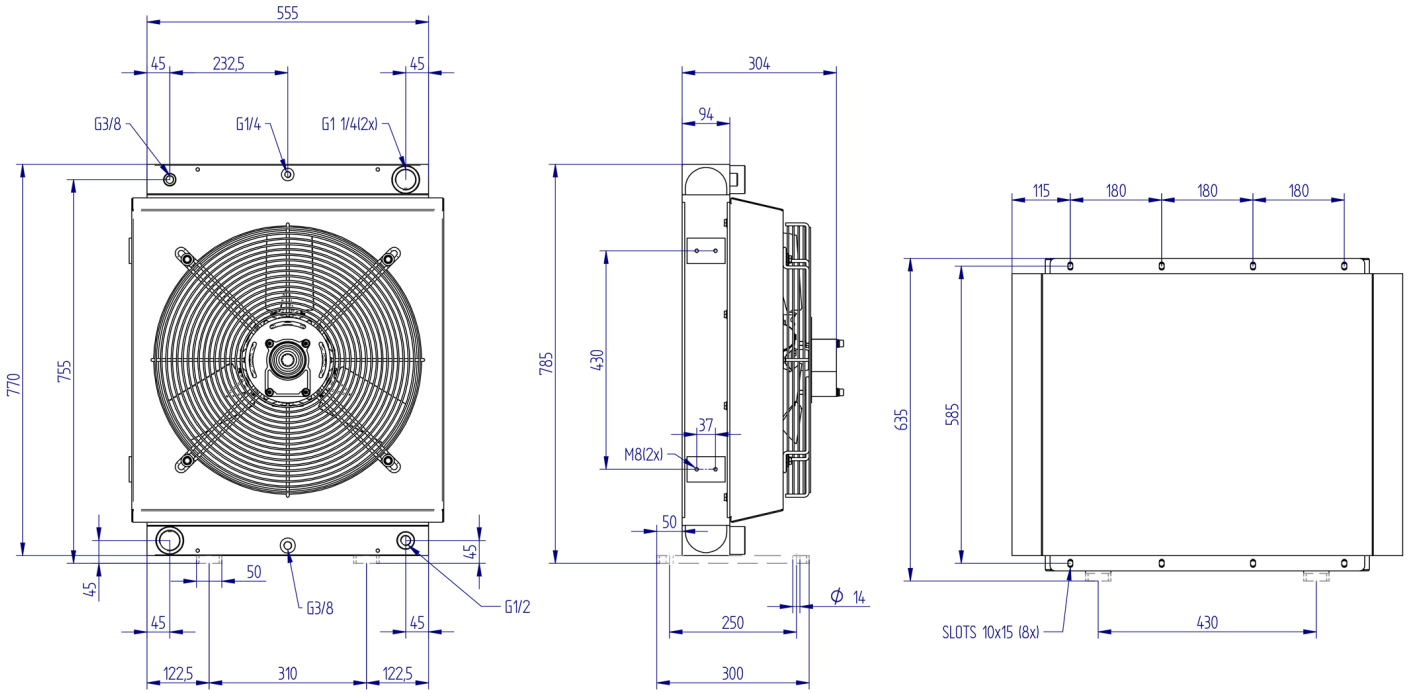


# HY series

## HY225.1-05A

### AIR-OIL HEAT EXCHANGERS

Des.  
Hyd. M.  
GR2

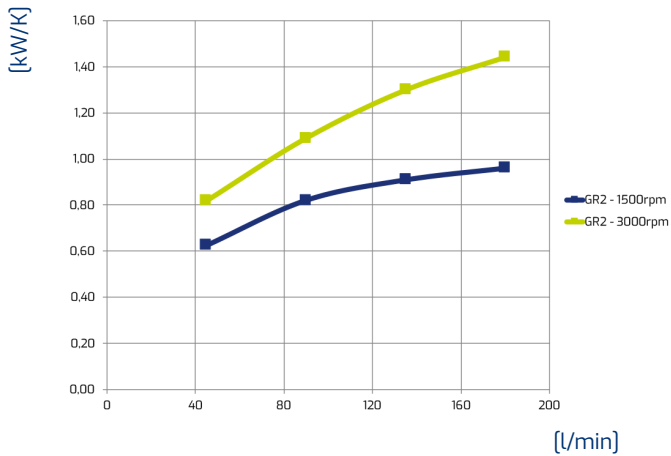


Vertical or horizontal mounting

## Technical data

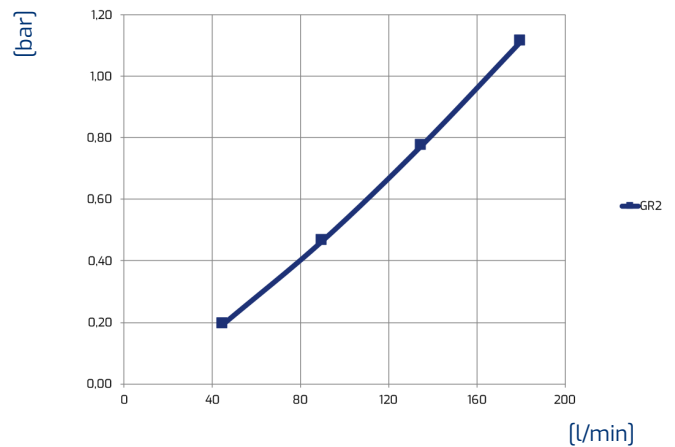
Item	Oil flow	Capacity	Weight	Voltage	Frequency	Current absorption	Ø Fan	Air flow	Noise level	Rpm
	[l/min]	[l]	[kg]	[V]	[Hz]	[A]	[mm]	[m³/h]	[dB(A)]	
<b>HY225.1-05A</b>	45-180	10	46				500	4566	78	1500
<b>HY225.1-05A</b>	45-180	10	46				500	9641	94	3000

## Performance



OIL T 80°C  
T Amb. 40°C  
1 kW = 860 Kcal/h - 1 HP = 0.75 kW

## Pressure drop

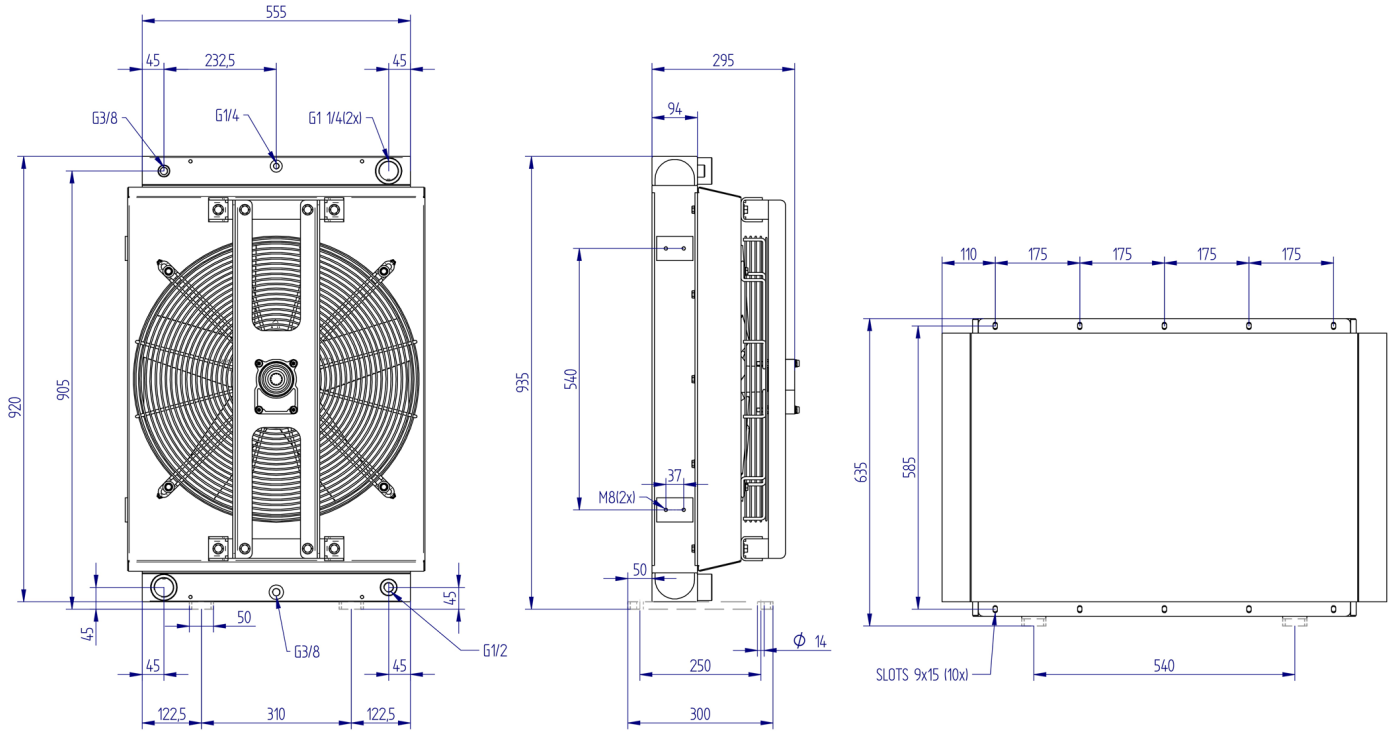


ISO VG 32 at 40°C

### Viscosity - ISO VG 32 Oil

Oil	22	32	46	68	150
Correction factor	0,8	1	1,2	1,6	3

Technical data are not binding - The graphs show the central range of heat exchange data

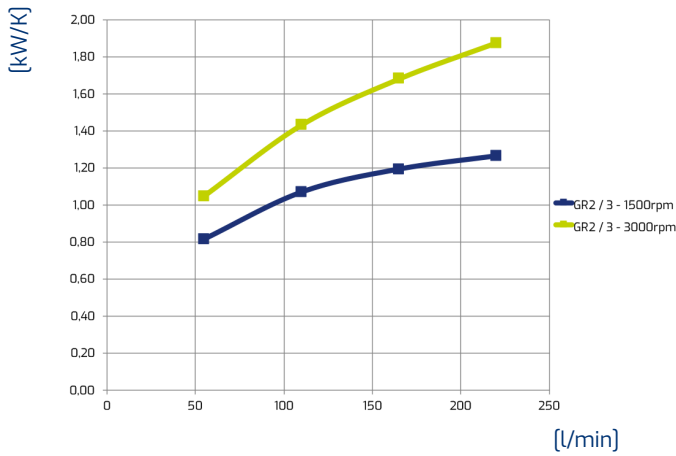


Vertical or horizontal mounting

Technical data

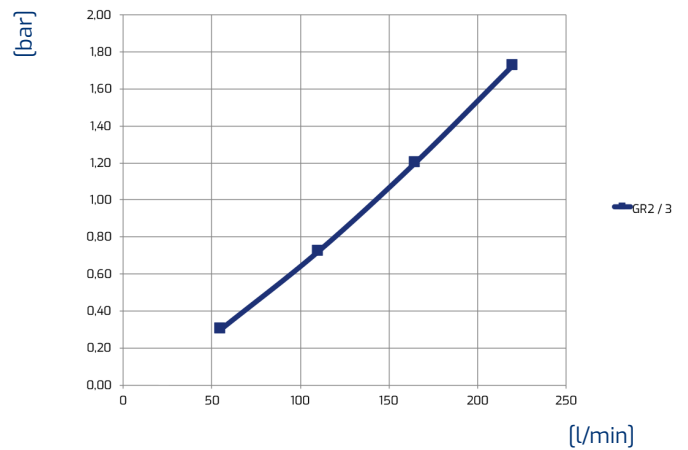
Item	Oil flow	Capacity	Weight	Voltage	Frequency	Current absorption	$\phi$ Fan	Air flow	Noise level	Rpm
	[l/min]	[l]	[kg]	[V]	[Hz]	[A]	[mm]	[m <sup>3</sup> /h]	[dB(A)]	
HY230.1-05A	55-220	11,5	55				560	6264	80	1500
HY230.1-05A	55-220	11,5	55				560	13151	95	3000

Performance



Oil T 80°C  
T Amb. 40°C  
1 kW = 860 Kcal/h - 1 HP = 0,75 kW

Pressure drop

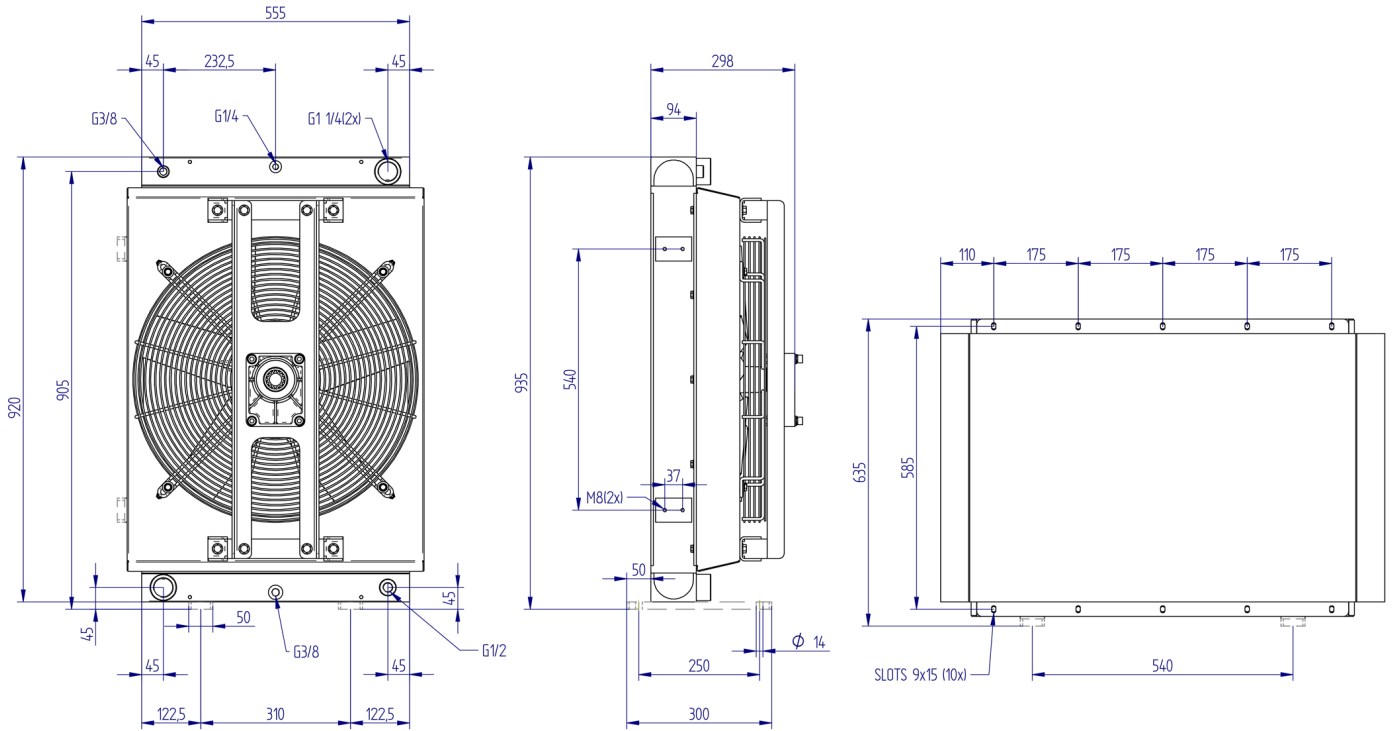


ISO VG 32 at 40°C

Viscosity - ISO VG 32 Oil

Oil	22	32	46	68	150
Correction factor	0,8	1	1,2	1,6	3

Technical data are not binding - The graphs show the central range of heat exchange data

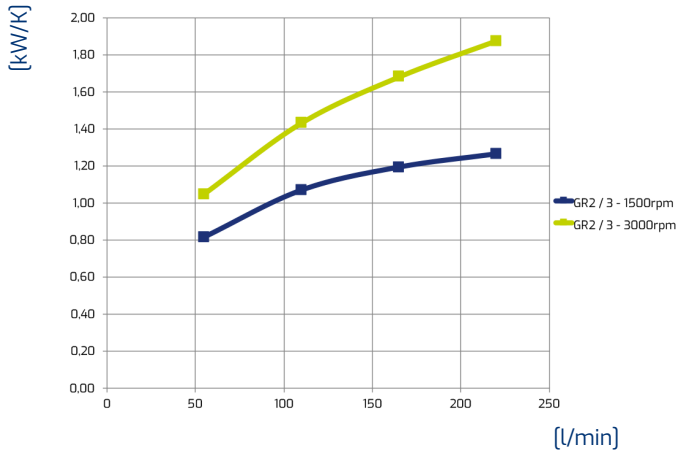


Vertical or horizontal mounting

Technical data

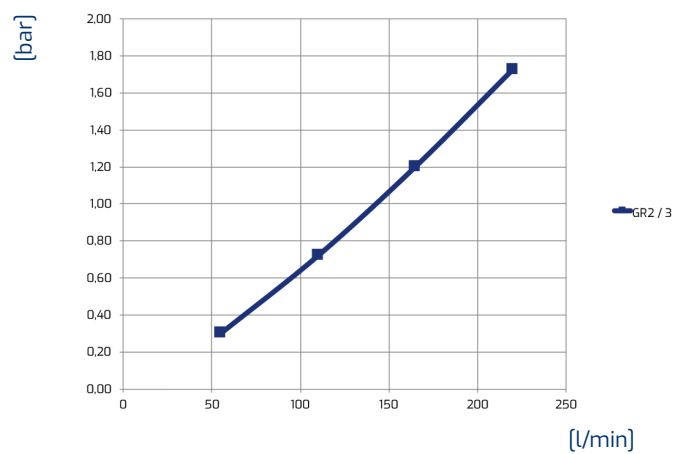
Item	Oil flow	Capacity	Weight	Voltage	Frequency	Current absorption	$\phi$ Fan	Air flow	Noise level	Rpm
	[l/min]	[l]	[kg]	[V]	[Hz]	[A]	[mm]	[m <sup>3</sup> /h]	[dB(A)]	
HY230.1-06A	55-220	11,5	55				560	6264	80	1500
HY230.1-06A	55-220	11,5	55				560	13151	95	3000

Performance



Oil T 80°C  
T Amb. 40°C  
1 kW = 860 Kcal/h - 1 HP = 0,75 kW

Pressure drop

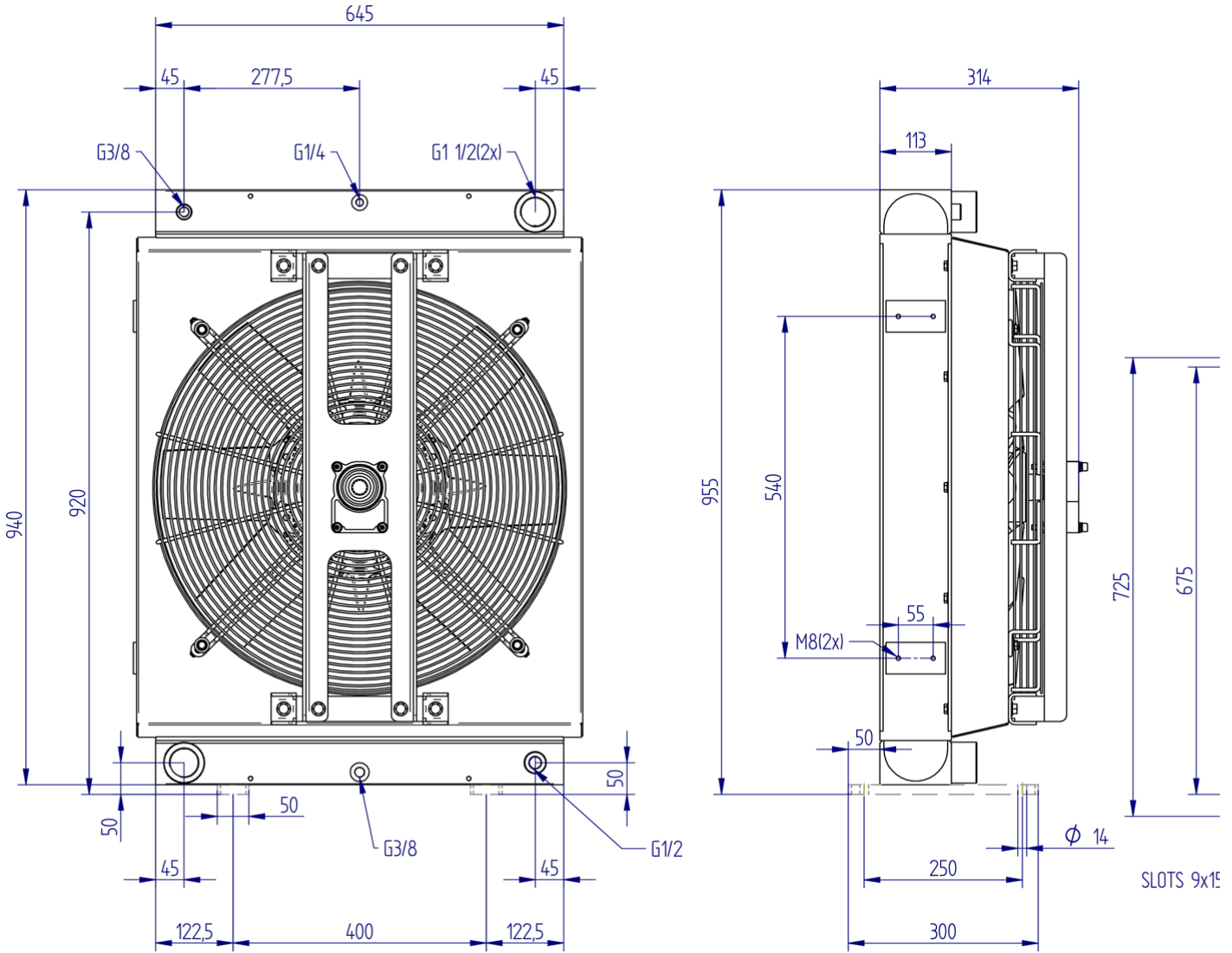


ISO VG 32 at 40°C

Viscosity - ISO VG 32 Oil

Oil	22	32	46	68	150
Correction factor	0,8	1	1,2	1,6	3

Technical data are not binding - The graphs show the central range of heat exchange data

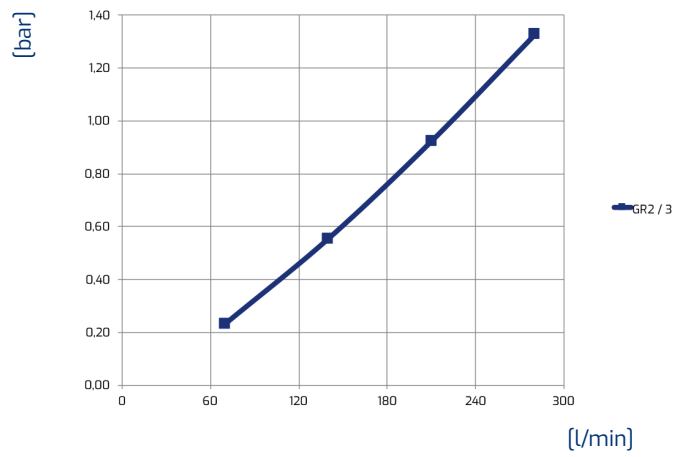
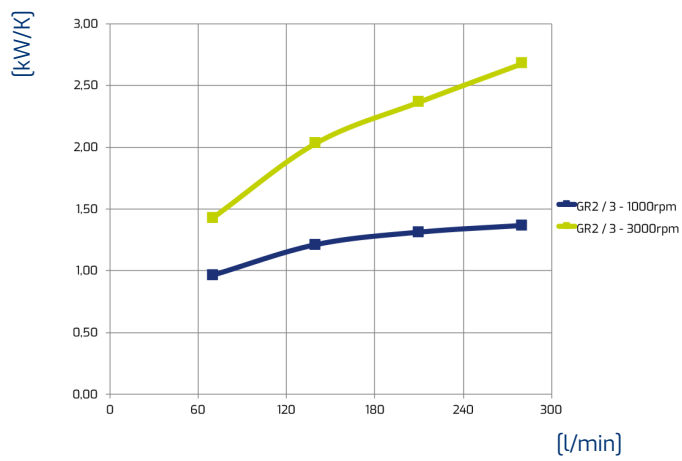


Technical data

Item	Oil flow	Capacity	Weight	Voltage	Frequency	Current absorption	Ø Fan	Air flow	Noise level	Rpm
	[l/min]	[l]	[kg]	[V]	[Hz]	[A]	[mm]	[m <sup>3</sup> /h]	[dB(A)]	
<b>HY232.1-05A</b>	70-280	16,8	77				630	5893	81	1000
<b>HY232.1-05A</b>	70-280	16,8	77				630	19433	105	3000

Performance

Pressure drop



Oil T 80°C  
 T Amb. 40°C  
 1 kW = 860 Kcal/h - 1 HP = 0,75 kW

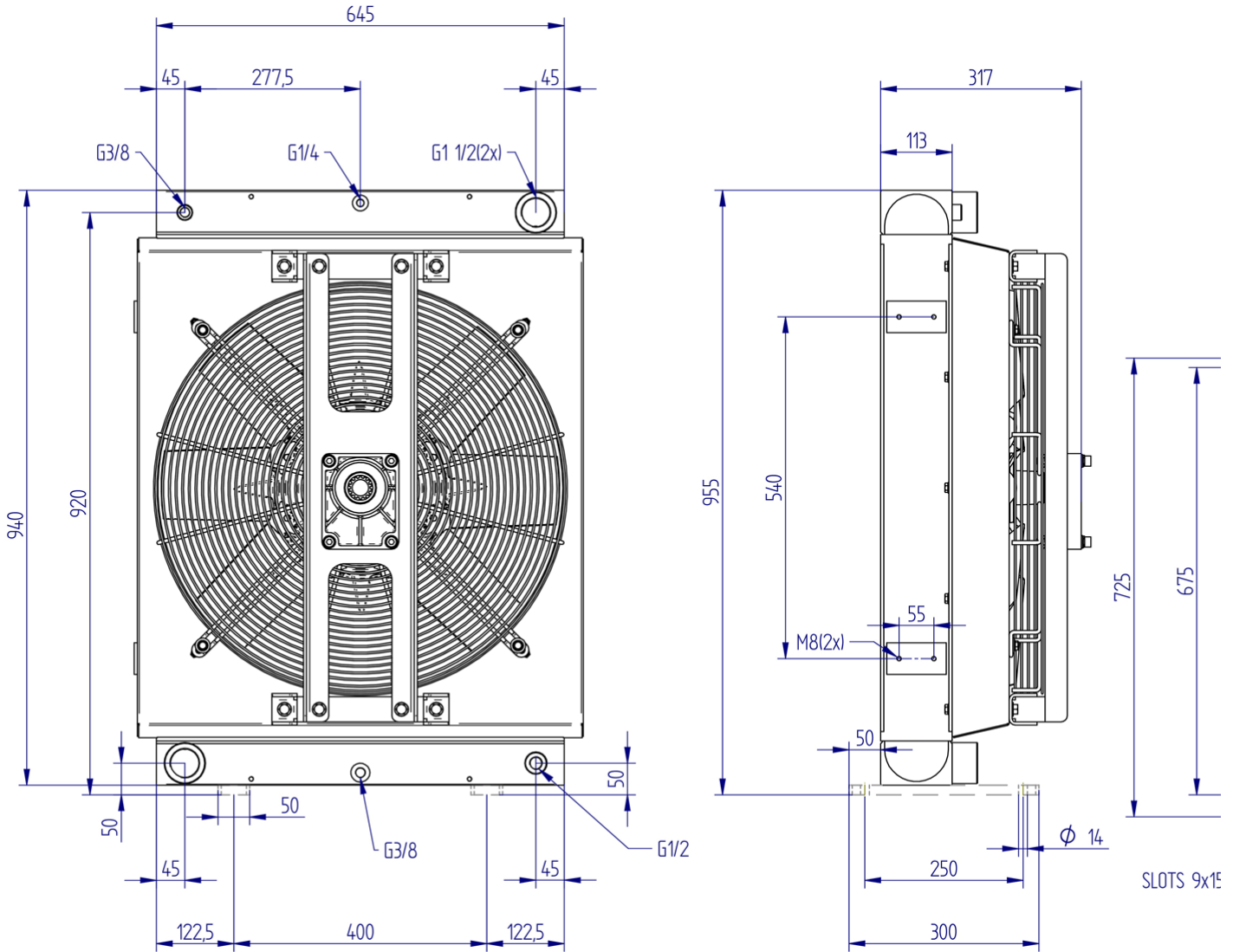
ISO VG 32 at 40°C

**Viscosity - ISO VG 32 Oil**

Oil	22	32	46	68	150
Correction factor	0,8	1	1,2	1,6	3

Technical data are not binding - The graphs show the central range of heat exchange data



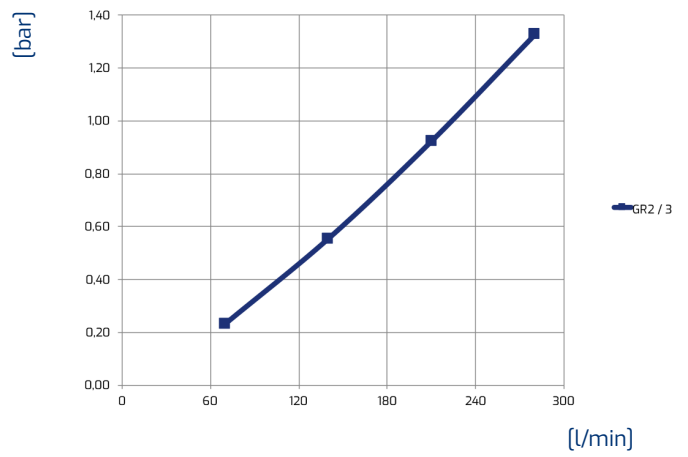
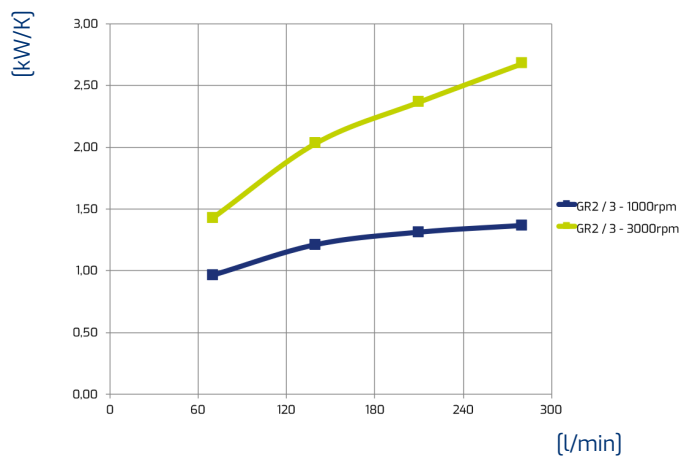


Technical data

Item	Oil flow	Capacity	Weight	Voltage	Frequency	Current absorption	Ø Fan	Air flow	Noise level	Rpm
	[l/min]	[l]	[kg]	[V]	[Hz]	[A]	[mm]	[m³/h]	[dB(A)]	
<b>HY232.1-06A</b>	70-280	16,8	77				630	5893	81	1000
<b>HY232.1-06A</b>	70-280	16,8	77				630	19433	105	3000

Performance

Pressure drop



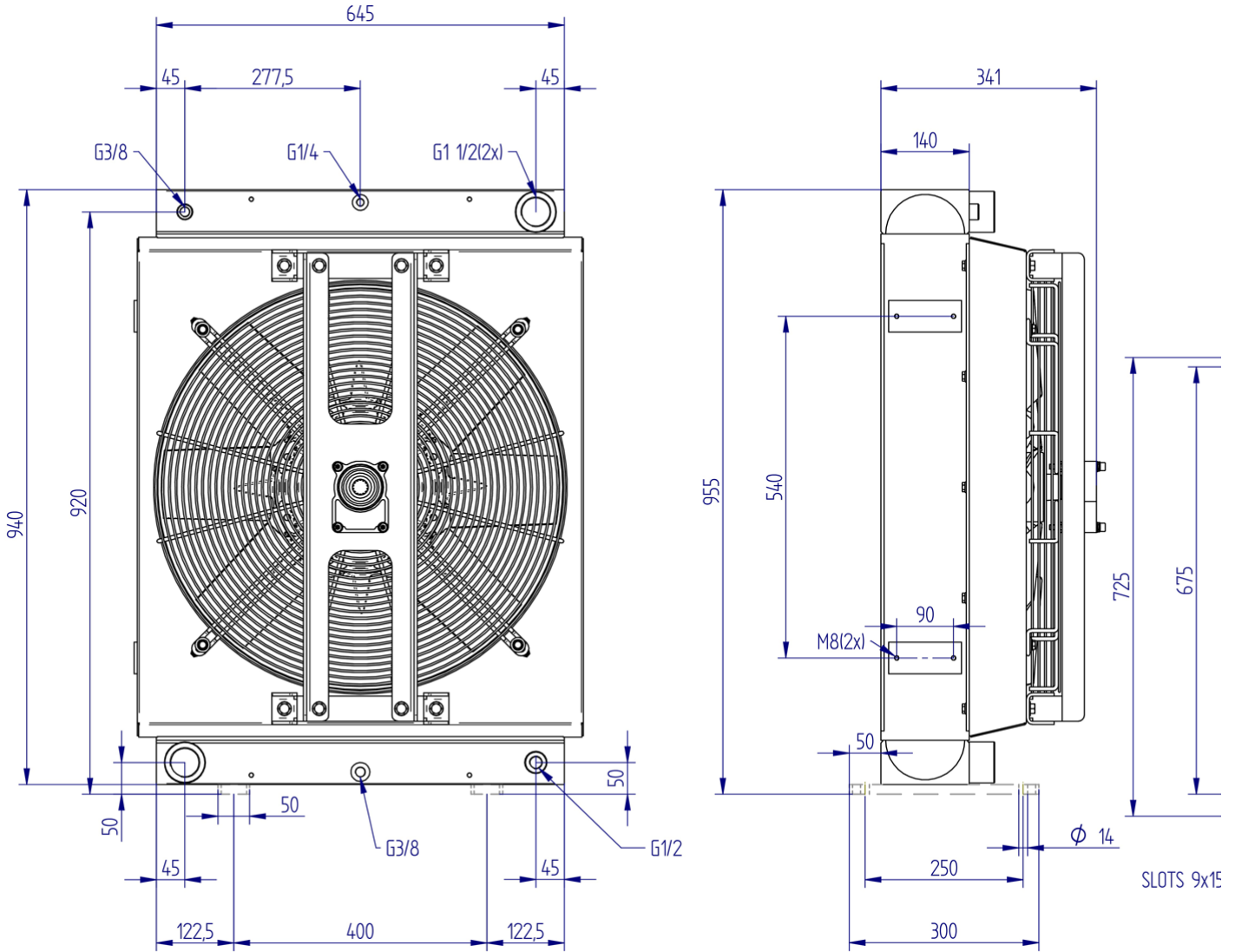
Oil T 80°C  
 T Amb. 40°C  
 1 kW = 860 Kcal/h - 1 HP = 0,75 kW

ISO VG 32 at 40°C

**Viscosity - ISO VG 32 Oil**

Oil	22	32	46	68	150
Correction factor	0,8	1	1,2	1,6	3

Technical data are not binding - The graphs show the central range of heat exchange data

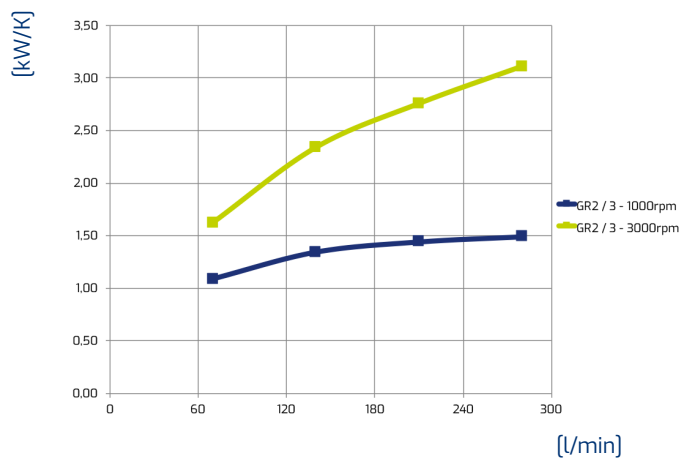


Technical data

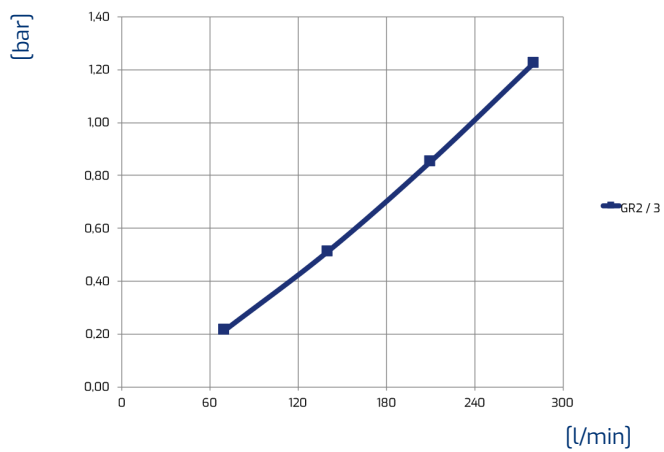
Item	Oil flow	Capacity	Weight	Voltage	Frequency	Current absorption	Ø Fan	Air flow	Noise level	Rpm
	[l/min]	[l]	[kg]	[V]	[Hz]	[A]	[mm]	[m <sup>3</sup> /h]	[dB(A)]	
<b>HY235.1-05A</b>	70-280	20,2	89				630	5232	81	1000
<b>HY235.1-05A</b>	70-280	20,2	89				630	17500	105	3000

Performance

Pressure drop



Oil T 80°C  
 T Amb. 40°C  
 1 kW = 860 Kcal/h - 1 HP = 0,75 kW



ISO VG 32 at 40°C

**Viscosity - ISO VG 32 Oil**

Oil	22	32	46	68	150
Correction factor	0,8	1	1,2	1,6	3

Technical data are not binding - The graphs show the central range of heat exchange data