

MPS 315 D2 F4 30

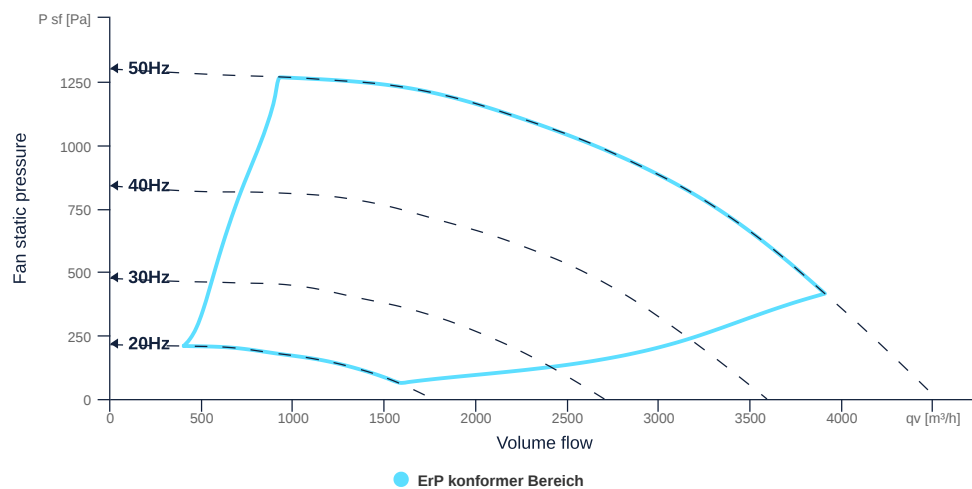
145840

- Backward curved radial impeller
- Swing out fan unit
- Sheet steel housing double-walled, 40 mm mineral wool
- Efficient IE3 motor, outside the airflow
- Smoke extract fan F400, 200 °C continuous operation
- With condensate and grease drain



MAP

Name	Value	Unit
Volume flow	0	m³/h
Pressure	0	Pa



to the product detail page

MPS 315 D2 F4 30

145840

ruck

GENERAL DATA

Name	Value	Unit	Formula symbol
Labeling	CE, UKCA		
Duct size	-		WxH _{duct}
Pipe connection size (DN)	DN355		DN
Rated voltage (entire device)	400	V	U _{rated}
Phases (entire device)	3~		phase
Electrical protection (entire device)	6 A		fuse
Housing material	Galvanized steel		mat _{casing}
Impeller material	Steel		mat _{impeller}
Weight	54.88	kg	m
Nominal air flow rate, nominal point m³/h	3848.4	m³/h	q _{v,nom}
Nominal external pressure, static	454	Pa	p _{s,nom}
Fan type	Radial		F _{antype}
Category / Installation situation	A		cat

ERP DATA (LOT 6)

Name	Value	Unit	Formula symbol
Nominal air flow rate, nominal point m³/s	1.07	m³/s	q _{v,nom}
Actual electrical input power, nominal point	1.09	kW	P _{e,nom}
Face velocity, nominal point	10.8	m/s	v _{nom}
Nominal external pressure, static	454	Pa	p _{s,nom}
supply air fan static efficiency, nominal point	56.8	%	η _{es,SUP}
Highest external air leakage rate	0.05	%	
Enclosure sound level, nominal point	75	dB(A)	L _{WA2}
Rating	Product is compliant 2018		

MAXIMAL DATA

Name	Value	Unit	Formula symbol
Max. power consumption (device)	1221	W	P _{ed, max}
Max. operating current (device)	2.42	A	I _{ed, max}
Max. speed	2950	1/min	n _{max}
Max. stat. efficiency	57.8	%	η _{es}
Max. fan efficiency	60.2	%	η _e
Max. flowrate	4520	m³/h	q _{v, max}
Max. stat pressure	1300	Pa	p _{sf, max}
Max. medium temperature	200	°C	T _{m, max}
Max. environment temperature	50	°C	T _{amb, max}
Min. environment temperature	-20	°C	T _{amb, min}



to the product detail page

MPS 315 D2 F4 30

145840

ruck

MOTOR DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Rated frequency (device)		50		f
Motor type		AC 3~		phase
Control type		frequency-controlled		ctrltype
Installation type		IRM (In)		install
Rotation direction		right		rotation
Isolation class		ISO F		ISOclass
Protection class		IP55		IPmotor
Is pole-changeable		No		polexch
Type of power supply		AC 3~		pwrsupmotor
Number of poles (1)		2.000000		num polesw1
Connection	Δ	Y		wiringw1
Connection (wiring 2)	Y			wiringw2
Rated voltage	230	460	V	U _{rated, f1}
Rated voltage (wiring 2)	400		V	U _{rated, f2}
Rated current	4.03	2.05	A	I _{rated, f1}
Rated current (wiring 2)	2.32		A	I _{rated, f2}
Shaft power	1100	1100	W	P _{out, f1}
Shaft power (wiring 2)	1100		W	P _{out, f2}
Speed	2830	3450	1/min	n _{f1}
Speed (wiring 2)	2830		1/min	n _{f2}
Starting current	29.9	16.4	A	I _{start, f1}
Starting current (wiring 2)	17.2		A	I _{start, f2}
Efficiency	83.5	84	%	η _{m, f1}
Efficiency (wiring 2)	83.5		%	η _{m, f2}
Efficiency class	IE3	IE3		IE _{motor}
Min. temperature	-20	-20	°C	T _{motor, min}
Cos Phi	0.820000	0.800000		cos φ
UL-Certification motor		UL recognized		ULcert

SMOKE EXTRACT DATA

Name	Value	Unit	Formula symbol
Maximum resistance temperature	400	°C	T _{fire}
Maximum resistance time	120.000000		t _{fire}
Fire resistance class	F 400 (120)		F _{class}
Snow load class	-		SL _{class}



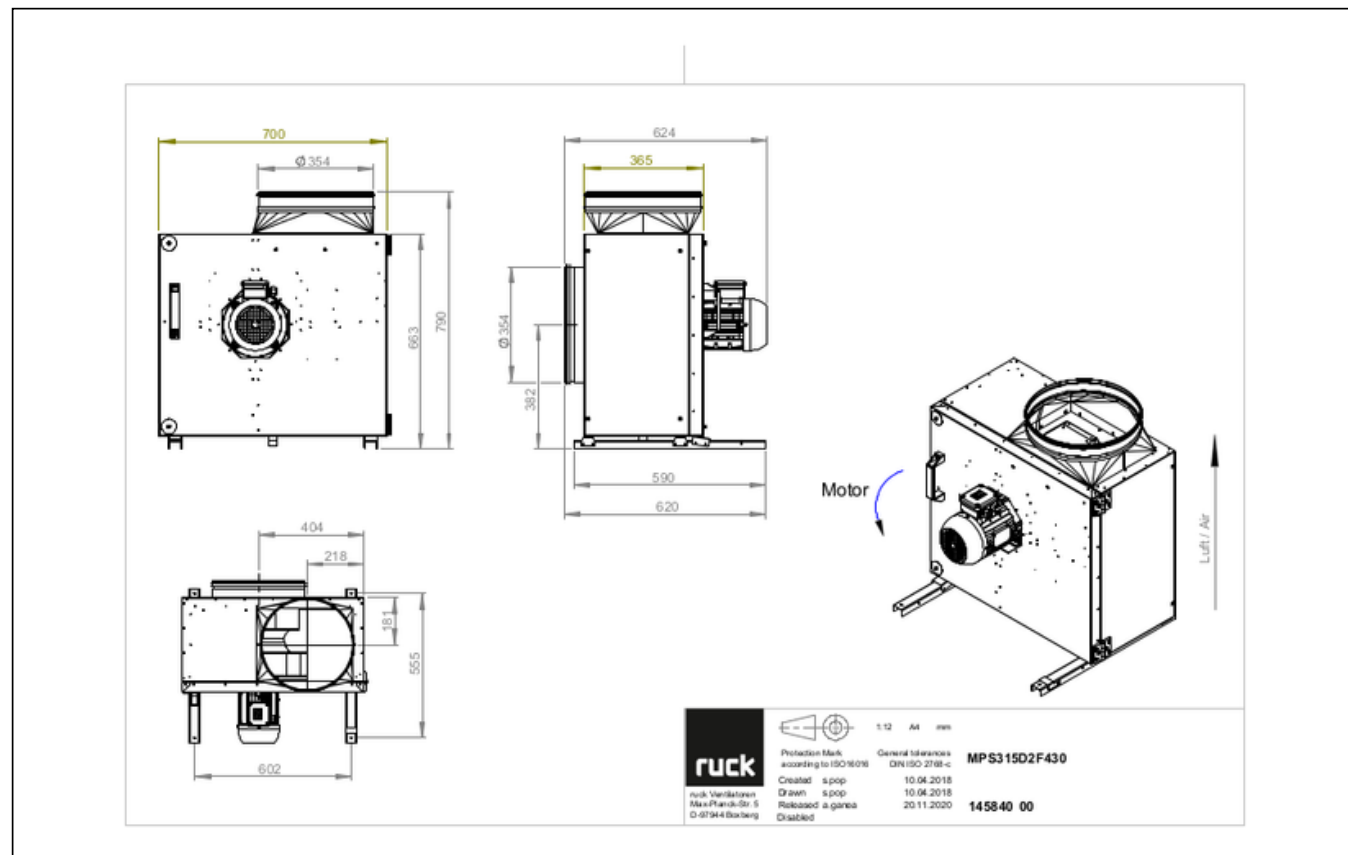
to the product detail page

MPS 315 D2 F4 30

145840

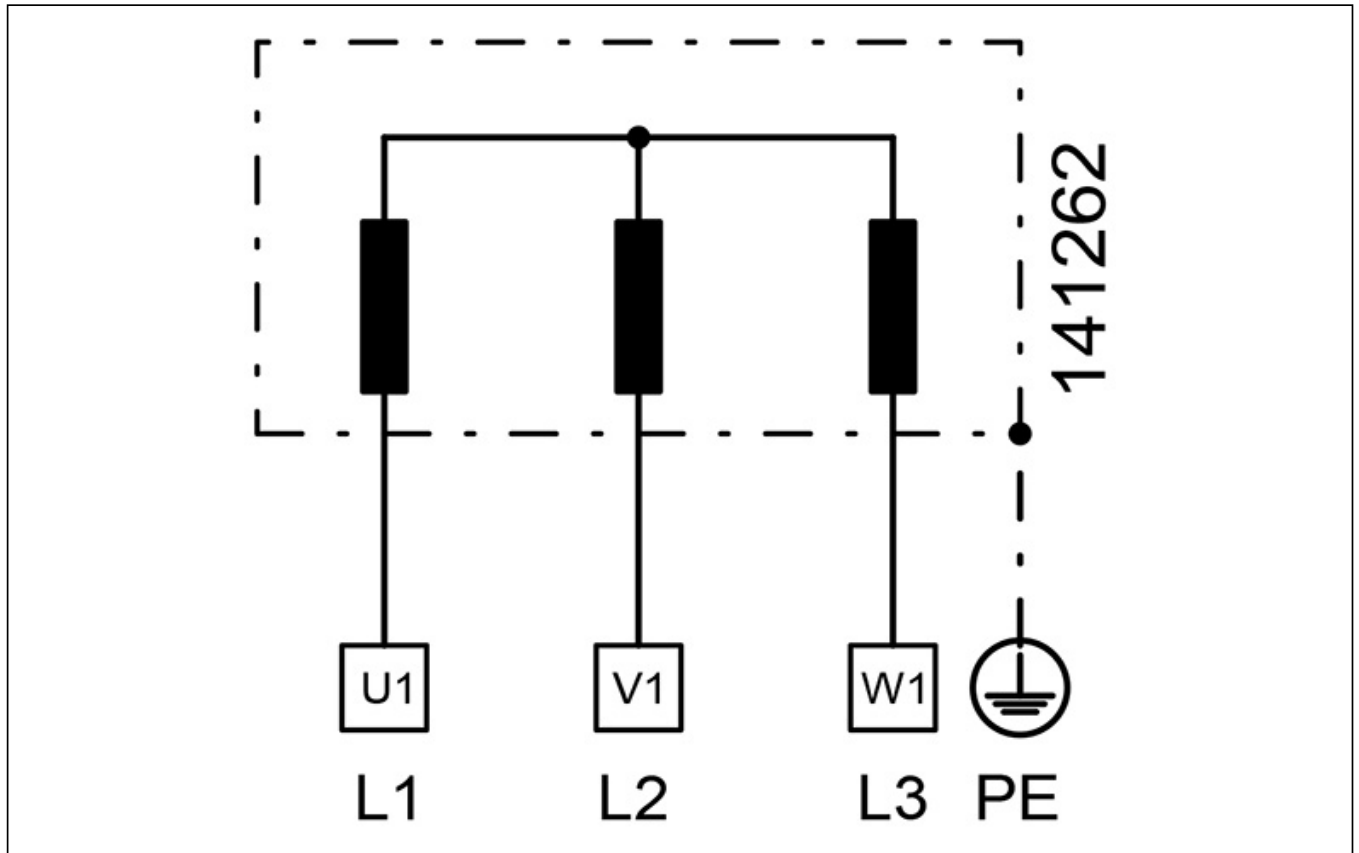
ruck

CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



MPS 315 D2 F4 30

145840

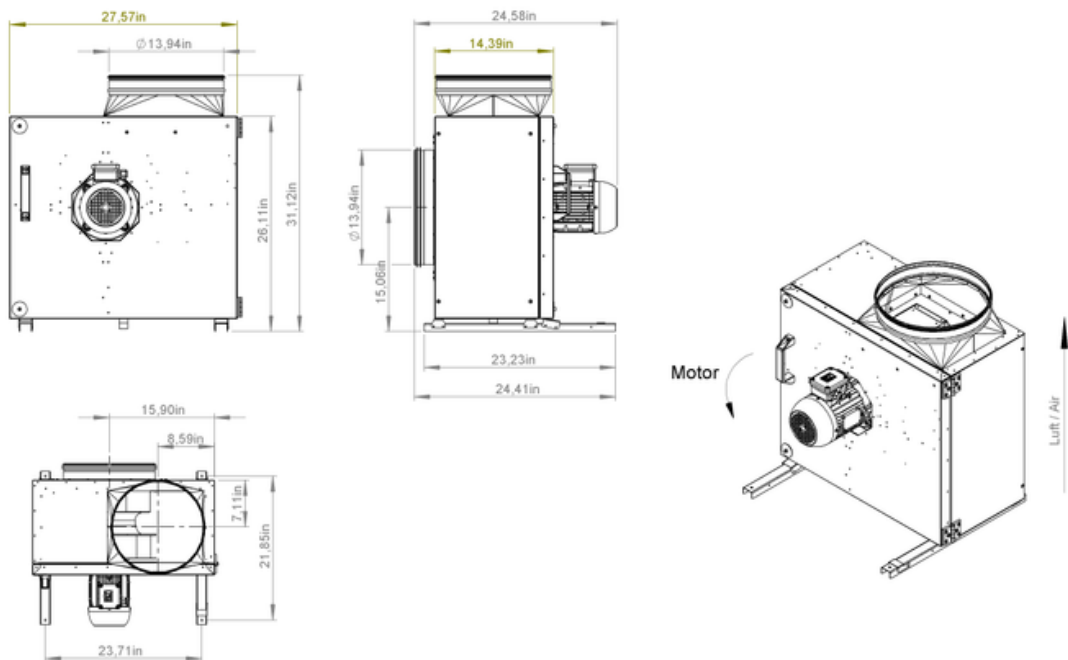


to the product detail page

MPS 315 D2 F4 30

145840

ruck



145840 00

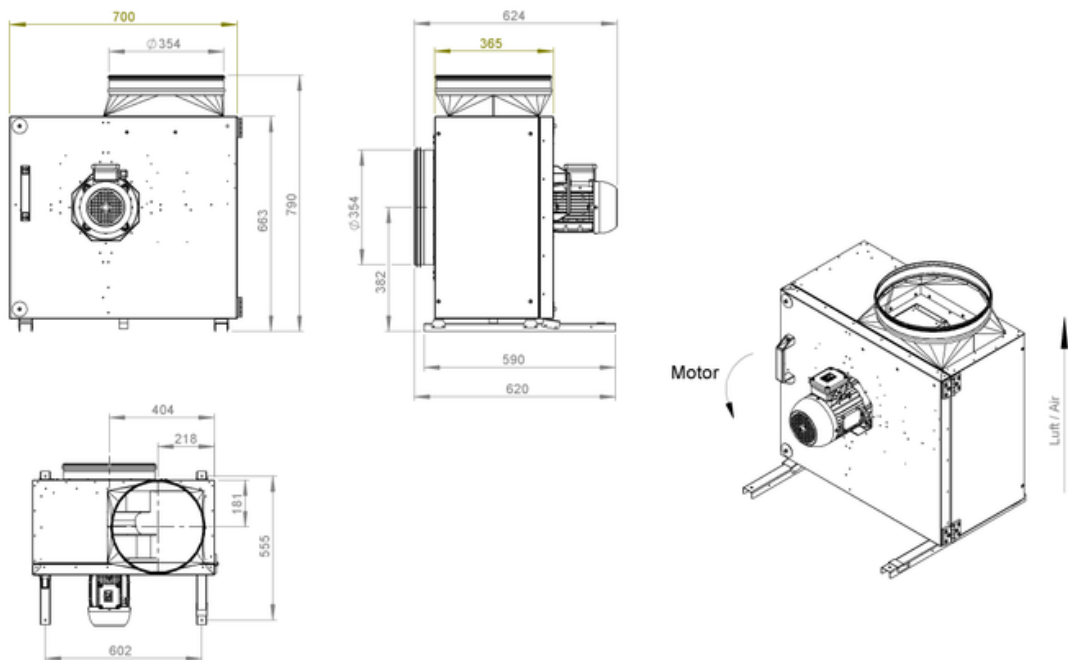


to the product detail page

MPS 315 D2 F4 30

145840

ruck



145840 00

MPS 315 D2 F4 30

145840

ruck

