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TRANSITION GUIDE

# ABB Machinery Drives

## ACS355 to ACS380 transition guide



## Drive Options

### ACS355

Code	Variant
3AFE64532871	DriveWindow Light 2.x
3AUA0000041141	DriveBrowser
ACS355 DEMOCASE	ACS355 Demo Case
ACS-CP-A	Advanced Control Panel
ACS-CP-C	Basic Control Panel
ACS-CP-EXT	Control Panel Mounting
ACS-CP-EXT-IP66	NEMA 4X Cabinet Panel Mounting
FCAN-01-M KIT	CANopen Adapter MultiPack Kit (20 Adapters)
FECA-01-KIT	EtherCAT® Adapter
FEPA-01	Fieldbus Adapter Power Module FPBA-01 & FCAN-01 only
FPBA-01-M KIT	PROFIBUS-DP Adapter Multi-Pack (20 Adapters)
FRSA-00	Modbus RTU PCB
J402 MPOT-01	Speed Pot, Start/Stop & Fw/Rev Switches
K451 FDNA-01-KIT	DeviceNet Adapter
K454 FPBA-01-KIT	PROFIBUS-DP Adapter
K457 FCAN-01-KIT	CANopen Adapter
K458 FMBA-01-KIT	Modbus RTU Adapter
K462	ControlNet adapter FCNA-01
K466 FENA-01-KIT	Ethernet IP/Modbus TCP PROFINet IO RT Adapter
K470 FEPL-02-KIT	Ethernet POWERLINK Adapter Module
K475 FENA-21-KIT	Ethernet IP/Modbus TCP/PROFINet DualPort Adapter
3AUA0000235813	VFD-Gateway: Ethernet/IP Gateway module (separately mounted)
MFD-01	FlashDrop
MPOW-01	Auxiliary Power Module
MREL-01	Relay Output Module Extension
MTAC-01	Pulse Encoder Interface
MUL1-R1	NEMA 1 Enclosure Kit
MUL1-R3	
MUL1-R4	
N826	High Speed Program
N827	Solar pump inverter
N828	Low ambient start
N830	Enhanced Sequence Program
OCAT-01	Panel Extension Cable
OPCA-01	RJ45/DB9 Adapter
OPMP-01	Cabinet Panel Mounting
SEDG-01	Ethernet to DeviceNet Gateway

### ACS380

Code	Variant
ACS-AP-I***	Assistant Control Panel
ACS-AP-S***	Assistant Control Panel
ACS-AP-W***	Assistant Control Panel with Bluetooth® interface
ACS-BP-S***	Basic Control Panel
ACS380 DEMOCASE	ACS380 Demo Case with US cord
BCBL-01***	Programming Cable
BSPL-01***	Panel bus splitter
BPLG-01***	Termination plug
CCA-01***	Cold configuration tool
(download)	Drive composer entry
DCPT-01-KIT***	Drive composer pro
DCPT-01-KIT(10)***	Drive composer pro multi- user license - 10 copies
DCPT-01-KIT(20)***	Drive composer pro multi- user license - 20 copies
DPMP-01***	Control panel door mounting kit, flush mount, Type 12 (IP54) with EMC shield
DPMP-02***	Control panel door mounting kit, surface mount, Type 12 (IP65)
DPMP-04***	Control panel door mounting kit, surface mount, Type 3, 3R, 4, 4X (IP66) outdoor duty
DPMP-06***	Control panel door mounting kit, flush mount, Type 12
DPMP-08***1	Control panel door mounting kit, surface mount, Type 4, 4X (IP69k) indoor duty
K451**	DeviceNet adapter module FDNA-01
K454**	PROFIBUS-DP adapter module FPBA-01(-M)
K457**	CANopen adapter module FCAN-01(-M)
K469**	EtherCAT adapter module FECA-01(-M)
K470**	Ethernet POWERLINK adapter module FEPL-02
K475**	Ethernet adapter module Ethernet/IP, Modbus/TCP, or PROFINET FENA-21(-M)
K490***	Ethernet/IP adapter module FEIP-21
K491***	Modbus/TCP adapter module FMBT-21
K492***	PROFINET IO adapter module FPNO-21
K495***	CANopen interface module BCAN-11
L534*	24V Auxiliary Power Extension Module BAPO-01
L511*	Relay Extension Module BREL-01
L515*	BIO-01 I/O extension for Fieldbus
L535*	Pulse Encoder Interface Module BTAC-02
L538**	I/O module for 040S drive BMIO-01
Q986	PROFIsafe adapter module FSPS-21
3AUA0000235813	VFD-Gateway: Ethernet/IP Gateway module (separately mounted)
R700**	English manuals - printed copies
R707**	French manuals - printed copies
R708**	Spanish manuals - printed copies
---	Manuals in other languages
---	Mobile Connect
---	UL Type 1 enclosure kits

#### Notes:

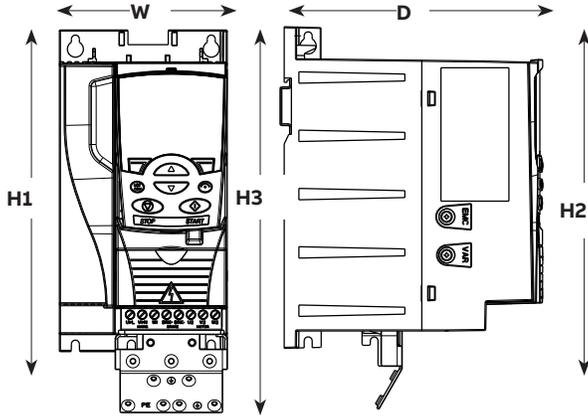
\* Indicates option is available both as a configuration code and as a field mountable kit

\*\* Indicates option is available ONLY as a configuration code

\*\*\* Enter as separate line item, not part of configuration code

## Dimensions and comparison tables

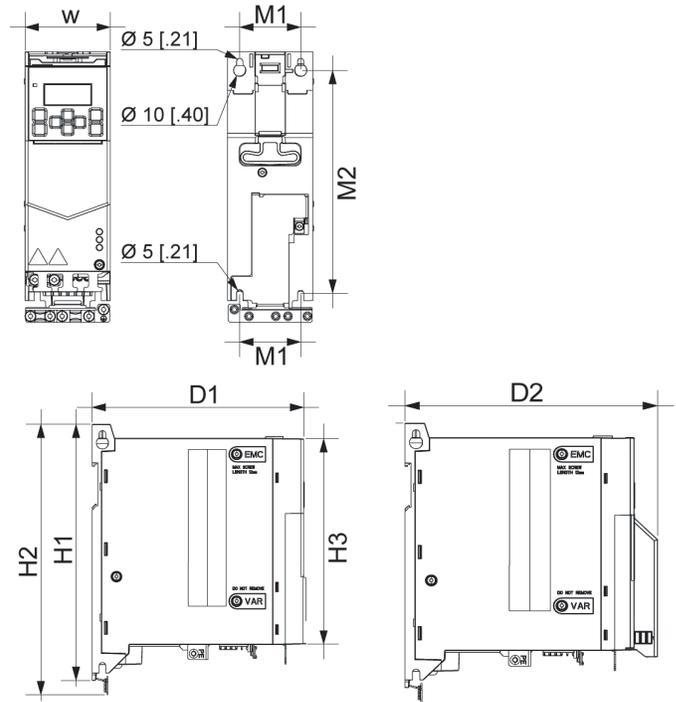
ACS355-03U UL Type Open / IP20



Frame Size	Dimensions (in)					Weight (lb)
	H1	H2	H3	W	D	
R0	6.65	7.95	9.41	2.76	6.34	2.6
R1	6.65	7.95	9.41	2.76	6.34	2.6
R2	6.65	7.95	9.41	4.13	6.5	3.3
R3	6.65	7.95	9.29	6.65	6.65	5.5
R4	7.13	7.95	9.61	10.24	6.65	9.7

H1 = Height without fastenings and clamping plate  
 H2 = Height with fastenings but without clamping plate  
 H3 = Height with fastenings and clamping plate  
 W = Width  
 D = Depth

ACS380-040x UL Type Open / IP20



Frame Size	Dimensions (in)									Weight (lb)
	H1	H2	H3	W	D1	D2	M1	M2		
R0	8.07	8.66	6.69	2.76	6.85	7.52	1.97	7.52	3.1	
R1	8.07	8.66	6.69	2.76	6.85	7.52	1.97	7.52	3.5	
R2	8.07	8.66	6.69	3.74	6.85	7.52	2.95	7.52	4.2	
R3	8.07	8.66	6.69	6.65	6.85	7.52	5.83	7.52	6.4	
R4	8.07	8.66	6.69	10.24	6.85	7.52	9.21	7.52	12.7	

H1 = Mounting surface height - back  
 H2 = Height including grounding plate - back  
 H3 = Enclosure height - front  
 W = Width  
 D1 = Depth  
 D2 = Depth 2\*)  
 M1 = Mounting hole distance 1  
 M2 = Mounting hole distance 2

### Mounting dimensions and weights

Frame Size	Mounting Dimensions (in)		Overall Dimensions (in)			Weight (lb)
	H2	W	H2	W	D1	
R0	8.66	2.76	8.66	2.76	6.85	3.1
R1	8.66	2.76	8.66	2.76	6.85	3.5
R2	8.66	3.74	8.66	3.74	6.85	4.2
R3	8.66	6.65	8.66	6.65	6.85	6.4
R4	8.66	10.24	8.66	10.24	6.85	12.7

H2 = Height including grounding plate - back  
 W = Width  
 D1 = Depth