

VS1GV Packaged Drives

Packaged Baldor V*S Drives provide custom solutions for customer applications. Packaged Baldor V*S Drives are available for VS1GV drives from 1 to 500HP. Standard packaged options are shown in this catalog including NEMA 1, 12, 4, 4X & 3R enclosures, Input fusing & circuit breakers, door mounted operators, input/output contactors, bypass, line/load reactors, control transformers, dynamic braking as well as many other peripheral equipment options. If you don't see the option you need, please contact the factory via your Local Baldor District Sales Office, and we will custom engineer it for you.

The Baldor Drives Center is a UL508A shop and can provide you with UL508A panels.

Farm Duty
MotorsDefinite Purpose
MotorsUnit Handling
Motors

Brake Motors

200 & 575 Volt
MotorsIEC Frame
Motors50 Hertz
MotorsInverter/Vector
Motors & ControlsDC Motors
and ControlsSoft Starters &
Dynamic Brakes

VS1GV Packaged Drives

240 VAC Base Drive Model Number

Vector	VS1GV 21-1B	VS1GV 22-1B	VS1GV 23-1B	VS1GV 25-1B	VS1GV 27-1B	VS1GV 210-1B	VS1GV 215-1B	VS1GV 220-1B	VS1GV 225-1B	VS1GV 230-1B	VS1GV 240-1B	VS1GV 250-1B	VS1GV 260-1B
Base Drive List	1404	1585	1766	2043	2309	3138	3836	4895	5745	7564	8723	11170	14303
HP Rating (110% Overload, Normal Duty)	2	3	5	7.5	10	10	20	25	30	40	50	60	75
HP Rating (150% Overload, Heavy Duty)	1	2	3	5	7.5	10	15	20	25	30	40	50	60
FLA (Heavy Duty)	4.2	7	10	16	22	28	42	53	66	78	104	130	154

Enclosure Options

NEMA 1 Cabinet Ventilated	1032	1032	1032	1032	1296	1296	1296	1510	1510	1510	1579	1579	1579
NEMA 12 Cabinet Ventilated	1073	1073	1073	1073	1342	1342	1342	1568	1568	1568	1947	1947	1947
NEMA 12 Cabinet with A/C	2211	2211	2211	2211	2786	2786	2786	3369	3369	3369	3952	3952	3952
NEMA 4 Cabinet with A/C	3321	3321	3321	3321	3499	3499	3499	4082	4082	4082	4957	4957	4957
NEMA 4X Cabinet with A/C	3580	3580	3580	3580	4301	4301	4301	5540	5540	5540	6488	6488	6488
NEMA 3R Rainproof	1367	1367	1367	1367	1599	1599	1599	1701	1701	1701	2611	2611	2611

Input Protection & Disconnect Options

Input Fuses Only	158	158	158	158	158	178	178	245	317	317	611	611	611
Fused Disconnect Switch & Rotary Handle	403	403	403	403	403	438	438	505	757	757	1208	1208	1208
Circuit Breaker Only	600	752	752	752	752	865	865	865	865	865	911	911	911
Circuit Breaker Disconnect & Rotary Handle	1018	1018	1018	1018	1018	1131	1131	1131	1131	1131	1177	1177	1177

Door Mounted Operator Devices

Door Mounted OIM (Remote Keypad)	75	75	75	75	75	75	75	75	75	75	75	75	75
Maintained Start/Stop Switch	105	105	105	105	105	105	105	105	105	105	105	105	105
Momentary Start/Stop Push Buttons	180	180	180	180	180	180	180	180	180	180	180	180	180
E-Stop Push Button (Mushroom Head)	120	120	120	120	120	120	120	120	120	120	120	120	120
Jog Push Button	90	90	90	90	90	90	90	90	90	90	90	90	90
2 or 3 Position Selection Switch	90	90	90	90	90	90	90	90	90	90	90	90	90
Pilot Light(1)	85	85	85	85	85	85	85	85	85	85	85	85	85
Manual Potentiometer	120	120	120	120	120	120	120	120	120	120	120	120	120

Contactors, Overloads, Starters, Control Transformers & Line Reactors

Input Contactor(1)	220	220	220	220	220	450	450	450	450	800	800	1050	1050
Output Contactor(1)	220	220	220	220	220	450	450	450	450	800	800	1050	1050
Drive Bypass Control(1)	1160	1160	1160	1160	1160	1850	1850	1850	1850	2900	2900	3650	3650
Motor Overload Relay	200	200	200	200	200	200	250	250	250	310	310	420	420
Blower Motor Starter(1,4)	120	120	120	120	180	180	180	180	180	180	180	180	180
Control Transformer: 460:120 VAC, 250VA (2)	275	275	275	275	275	275	275	275	275	275	275	275	275
3% Impedance Input Line or Load Reactor	292	292	472	495	595	631	665	706	824	1069	1434	1667	1667

Other peripheral equipment

Space Heater (100W)	120	120	120	120	120	120	120	120	120	120	120	120	120
Analog Input or output Isolator	980	980	980	980	980	980	980	980	980	980	980	980	980
Shunt Trip device	280	280	280	280	280	280	280	280	280	280	280	280	280
Undervoltage Release Device	355	355	355	355	355	355	355	355	355	355	355	355	355
RFI/EMI filter	590	590	590	590	590	810	810	980	980	980	1170	1170	1170
DC Power Supply	210	210	210	210	210	210	210	210	210	210	210	210	210
MOV surge protection	100	100	100	100	100	100	100	100	100	100	100	100	100
Input IEEE 519-1992 Harmonic Filter	3160	3160	3160	3260	5210	6270	7210	7700	7920	9910	9940	12190	12190

Dynamic Braking - Transistor + Resistor

1200W resistors	849	849	849	849	849	849	849	849	849	849	849	849	849
2400W resistors	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299
4800W resistors	2107	2107	2107	2107	2107	2107	2107	2107	2107	2107	2107	2107	2107

- (1) Requires Control Transformer option
- (2) Add \$100 for each 100VA over 250VA
- (3) Add \$100 for each 100W over the first 100W
- (4) Required on TEBC motors

Farm Duty Motors

Definite Purpose Motors

Unit Handling Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes

VS1GV Packaged Drives

480 VAC Base Drive Model Number

Vector	VS1GV 41-1B	VS1GV 42-1B	VS1GV 43-1B	VS1GV 45-1B	VS1GV 47-1B	VS1GV 410-1B	VS1GV 415-1B	VS1GV 420-1B	VS1GV 425-1B	VS1GV 430-1B	VS1GV 440-1B
Base Drive List	1915	1989	2075	2340	2690	3055	3830	4469	5638	6596	8298
HP Rating (110% Overload, Normal Duty)	2	3	5	7.5	10	10	20	25	30	40	50
HP Rating (150% Overload, Heavy Duty)	1	2	3	5	7.5	10	15	20	25	30	40
FLA (Heavy Duty)	2.1	2.4	4.8	7.6	11	14	21	27	34	40	52

Enclosure Options

NEMA 1 Cabinet Ventilated	1147	1147	1147	1147	1147	1147	1147	1678	1678	1678	1678
NEMA 12 Cabinet Ventilated	1193	1193	1193	1193	1193	1492	1492	1743	1743	1743	1743
NEMA 12 Cabinet with A/C	2457	2457	2457	2457	2457	3096	3096	3744	3744	3744	3744
NEMA 4 Cabinet with A/C	3690	3690	3690	3690	3690	3888	3888	4536	4536	4536	4536
NEMA 4X Cabinet with A/C	3978	3978	3978	3978	3978	4779	4779	6156	6156	6156	6156
NEMA 3R Rainproof	1519	1519	1519	1519	1519	1777	1777	1890	1890	1890	1890

Input Protection & Disconnect Options

Input Fuses Only	158	158	158	158	158	178	178	245	317	317	317
Fused Disconnect Switch & Rotary Handle	403	403	403	403	403	438	438	505	757	757	1208
Circuit Breaker Only	600	752	752	752	752	865	865	865	865	865	911
Circuit Breaker Disconnect & Rotary Handle	1018	1018	1018	1018	1018	1131	1131	1131	1131	1131	1177

Door Mounted Operator Devices

Door Mounted OIM (Remote Keypad)	75	75	75	75	75	75	75	75	75	75	75
Maintained Start/Stop Switch	105	105	105	105	105	105	105	105	105	105	105
Momentary Start/Stop Push Buttons	180	180	180	180	180	180	180	180	180	180	180
E-Stop Push Button (Mushroom Head)	120	120	120	120	120	120	120	120	120	120	120
Jog Push Button	90	90	90	90	90	90	90	90	90	90	90
2 or 3 Position Selection Switch	90	90	90	90	90	90	90	90	90	90	90
Pilot Light(1)	85	85	85	85	85	85	85	85	85	85	85
Manual Potentiometer	120	120	120	120	120	120	120	120	120	120	120

Contactors, Overloads, Starters, Control Transformers & Line Reactors

Input Contactor(1)	220	220	220	220	220	220	220	460	460	460	460
Output Contactor(1)	220	220	220	220	220	220	220	460	460	460	460
Drive Bypass Control(1)	1160	1160	1160	1160	1160	1160	1160	1880	1880	1880	1880
Motor Overload Relay	200	200	200	200	200	200	250	250	250	310	310
Blower Motor Starter(1,4)	120	120	120	120	180	180	180	180	180	180	180
Control Transformer: 460:120 VAC, 250VA (2)	275	275	275	275	275	275	275	275	275	275	275
3% Impedance Input Line or Load Reactor	246	310	362	362	499	522	823	875	875	704	980

Other peripheral equipment

Space Heater (100W)	120	120	120	120	120	120	120	120	120	120	120
Analog Input or output Isolator	980	980	980	980	980	980	980	980	980	980	980
Shunt Trip device	280	280	280	280	280	280	280	280	280	280	280
Undervoltage Release Device	355	355	355	355	355	355	355	355	355	355	355
RFI/EMI filter	590	590	590	590	590	810	810	980	980	980	1170
DC Power Supply	210	210	210	210	210	210	210	210	210	210	210
MOV surge protection	100	100	100	100	100	100	100	100	100	100	100
Input IEEE 519-1992 Harmonic Filter	3160	3160	3160	3160	3160	3260	5210	6270	7210	7210	7700

Dynamic Braking - Transistor + Resistor

1200W resistors	849	849	849	849	849	849	849	849	849	849	849
2400W resistors	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299
4800W resistors	2107	2107	2107	2107	2107	2107	2107	2107	2107	2107	2107

(1) Requires Control Transformer option
 (2) Add \$100 for each 100VA over 250VA
 (3) Add \$100 for each 100W over the first 100W
 (4) Required on TEBC motors

Farm Duty Motors

Definite Purpose Motors

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Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Starters & Dynamic Brakes

VS1GV Packaged Drives

480 VAC Base Drive Model Number

Vector	VS1GV 450-1B	VS1GV 460-1B	VS1GV 475-1B	VS1GV 4100-1B	VS1GV 4125-1B	VS1GV 4150-1T	VS1GV 4200-1T	VS1GV 4250-1T	VS1GV 4300-1T	VS1GV 4350-1T	VS1GV 4400-1T	VS1GV 4450-1T
Base Drive List	9787	10532	12340	14255	15106	18150	24200	30250	36300	42350	48400	54450
HP Rating (110% Overload, Normal Duty)	60	75	100	125	150	200	250	300	350	400	450	500
HP Rating (150% Overload, Heavy Duty)	50	60	75	100	125	150	200	250	300	350	400	450
FLA @ 2.5 kHz	65	77	96	124	156	180	240	302	361	414	477	534

Enclosure Options

NEMA 1 Cabinet Ventilated	1755	1755	2083	2083	2083	2625	2625	2625	4280	4280	4280	4280
NEMA 12 Cabinet Ventilated	2164	2164	2480	2480	2480	3224	3224	3224	Contact Baldor			
NEMA 12 Cabinet with A/C	4392	4392	4968	4968	4968	6560	6560	6560				
NEMA 4 Cabinet with A/C	5508	5508	6318	6318	6318	8640	8640	8640				
NEMA 4X Cabinet with A/C	7209	7209	7938	7938	7938	10080	10080	10080				
NEMA 3R Rainproof	2902	2902	3881	3881	3881	5725	5725	5725				

Input Protection & Disconnect Options

Input Fuses Only	317	317	550	550	550	550	900	900	Contact Baldor			
Fused Disconnect Switch & Rotary Handle	1208	1208	1485	1485	1485	1485	1680	1680				
Circuit Breaker Only	1100	1100	1100	1400	1400	1400	1800	1800	7420	7420	7420	7420
Circuit Breaker Disconnect & Rotary Handle	1310	1310	1310	1625	1625	1625	2000	2000	7770	7770	7770	7770

Door Mounted Operator Devices

Door Mounted OIM (Remote Keypad)	75	75	75	75	75	75	75	75	Contact Baldor			
Maintained Start/Stop Switch	105	105	105	105	105	105	105	105				
Momentary Start/Stop Push Buttons	180	180	180	180	180	180	180	180				
E-Stop Push Button (Mushroom Head)	120	120	120	120	120	120	120	120				
Jog Push Button	90	90	90	90	90	90	90	90				
2 or 3 Position Selection Switch	90	90	90	90	90	90	90	90				
Pilot Light(1)	85	85	85	85	85	85	85	85				
Manual Potentiometer	120	120	120	120	120	120	120	120				

Contactors, Overloads, Starters, Control Transformers & Line Reactors

Input Contactor(1)	450	450	800	800	1050	1050	1050	2500	Contact Baldor			
Output Contactor(1)	460	800	800	800	1050	1050	1050	2500				
Drive Bypass Control(1)	1880	2100	2100	2100	2600	2600	2600	5500	20690	25050	25050	28485
Motor Overload Relay	310	310	420	420	420	550	550	550	Contact Baldor			
Blower Motor Starter(1,4)	180	220	220	220	220	220	220	220				
Control Transformer: 460:120 VAC, 250VA (2)	275	275	275	275	275	275	275	275				
3% Impedance Input Line or Load Reactor	869	869	1130	1510	1759	2059	2881	3069	3069	4675	4675	5649

Other peripheral equipment

Space Heater (100W)	120	120	120	120	120	120	120	120	Contact Baldor			
Analog Input or output Isolator	980	980	980	980	980	980	980	980				
Shunt Trip device	280	280	280	280	280	280	280	280				
Undervoltage Release Device	355	355	355	355	355	355	355	355				
RFI/EMI filter	1170	1170	4590	4590	4590	8290	8290	13350				
DC Power Supply	210	210	210	210	210	210	210	210				
MOV surge protection	100	100	100	100	100	100	100	100				
Input IEEE 519-1992 Harmonic Filter	7920	9910	9940	12190	15420	17460	19320	26080				

Dynamic Braking - Transistor + Resistor

1200W resistors	849	849	849	849	849	849	849	849	Contact Baldor			
2400W resistors	1299	1299	1299	1299	1299	1299	1299	1299				
4800W resistors	2107	2107	2107	2107	2107	2107	2107	2107				
4800W resistors	2107	2107	2107	2107	2107	2107	2107	2107				

- (1) Requires Control Transformer option
- (2) Add \$100 for each 100VA over 250VA
- (3) Add \$100 for each 100W over the first 100W
- (4) Required on TEBC motors

The bypass option includes:

- bypass contactor - reduced voltage starter (digital soft start) - additional bay (for bypass contactor, digital soft start, and wiring)

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Inverter/Vector
Motors & Controls

DC Motors
and Controls

Soft Start & Dynamic
Brakes

VS1GV Packaged Drives

480 VAC Base Drive Model Number

Vector	VS1GV 51-1B	VS1GV 52-1B	VS1GV 53-1B	VS1GV 55-1B	VS1GV 57-1B	VS1GV 510-1B	VS1GV 515-1B	VS1GV 520-1B	VS1GV 525-1B	VS1GV 530-1B	VS1GV 540-1B
Base Drive List	1915	1989	2075	2340	2690	3055	3830	4469	5638	6596	8298
HP Rating (110% Overload, Normal Duty)	2	3	5	7.5	10	10	20	25	30	40	50
HP Rating (150% Overload, Heavy Duty)	1	2	3	5	7.5	10	15	20	25	30	40
FLA (Heavy Duty)	1.7	2.7	3.9	6.1	9	11	17	22	27	32	41
Base Drive List	2106	2188	2282	2574	2959	3361	4213	4915	6202	7255	9128

Enclosure Options

NEMA 1 Cabinet Ventilated	1147	1147	1147	1147	1147	1147	1147	1678	1678	1678	1678
NEMA 12 Cabinet Ventilated	1193	1193	1193	1193	1193	1492	1492	1743	1743	1743	1743
NEMA 12 Cabinet with A/C	2457	2457	2457	2457	2457	3870	3870	4680	4680	4680	4680
NEMA 4 Cabinet with A/C	3690	3690	3690	3690	3690	3888	3888	4536	4536	4536	4536
NEMA 4X Cabinet with A/C	3978	3978	3978	3978	3978	4779	4779	6156	6156	6156	6156
NEMA 3R Rainproof	1519	1519	1519	1519	1519	1777	1777	1890	1890	1890	1890

Input Protection & Disconnect Options

Input Fuses Only	158	158	158	158	158	178	178	245	317	317	611
Fused Disconnect Switch & Rotary Handle	403	403	403	403	403	438	438	505	757	757	1208
Circuit Breaker Only	600	752	752	752	752	865	865	865	865	865	911
Circuit Breaker Disconnect & Rotary Handle	1018	1018	1018	1018	1018	1131	1131	1131	1131	1131	1177

Door Mounted Operator Devices

Door Mounted OIM (Remote Keypad)	75	75	75	75	75	75	75	75	75	75	75
Maintained Start/Stop Switch	105	105	105	105	105	105	105	105	105	105	105
Momentary Start/Stop Push Buttons	180	180	180	180	180	180	180	180	180	180	180
E-Stop Push Button (Mushroom Head)	120	120	120	120	120	120	120	120	120	120	120
Jog Push Button	90	90	90	90	90	90	90	90	90	90	90
2 or 3 Position Selection Switch	90	90	90	90	90	90	90	90	90	90	90
Pilot Light(1)	85	85	85	85	85	85	85	85	85	85	85
Manual Potentiometer	120	120	120	120	120	120	120	120	120	120	120

Contactors, Overloads, Starters, Control Transformers & Line Reactors

Input Contactor(1)	220	220	220	220	220	220	220	220	220	450	450
Output Contactor(1)	220	220	220	220	220	220	220	220	220	450	450
Drive Bypass Control(1)	1160	1160	1160	1160	1160	1160	1160	1160	1160	1850	1850
Motor Overload Relay	200	200	200	200	200	200	200	250	250	250	310
Blower Motor Starter(1,4)	120	120	120	120	180	180	180	180	180	180	180
Control Transformer: 460:120 VAC, 250VA (2)	275	275	275	275	275	275	275	275	275	275	275
3% Impedance Input Line or Load Reactor	273	273	424	362	478	499	522	823	823	875	704

Other peripheral equipment

Space Heater (100W)	120	120	120	120	120	120	120	120	120	120	120
Analog Input or output Isolator	980	980	980	980	980	980	980	980	980	980	980
Shunt Trip device	280	280	280	280	280	280	280	280	280	280	280
Undervoltage Release Device	355	355	355	355	355	355	355	355	355	355	355
RFI/EMI filter	590	590	590	590	590	590	810	810	810	980	980
DC Power Supply	210	210	210	210	210	210	210	210	210	210	210
MOV surge protection	100	100	100	100	100	100	100	100	100	100	100
Input IEEE 519-1992 Harmonic Filter	4420	4420	4420	4420	4420	4420	4580	7290	7290	10090	10300

Dynamic Braking - Transistor + Resistor

1200W resistors	849	849	849	849	849	849	849	849	849	849	849
2400W resistors	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299
4800W resistors	2107	2107	2107	2107	2107	2107	2107	2107	2107	2107	2107
4800W resistors	2107	2107	2107	2107	2107	2107	2107	2107	2107	2107	2107

(1) Requires Control Transformer option
 (2) Add \$100 for each 100VA over 250VA
 (3) Add \$100 for each 100W over the first 100W
 (4) Required on TEBC motors

Farm Duty Motors

Definite Purpose Motors

Unit Handling Motors

Brake Motors

200 & 575 Volt Motors

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50 Hertz Motors

Inverter/Vector Motors & Controls

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Soft Starters & Dynamic Brakes

VS1GV Packaged Drives

600 VAC Base Drive Model Number

Vector	VS1GV 550-1B	VS1GV 560-1B	VS1GV 575-1B	VS1GV 5100-1B	VS1GV 5125-1B	VS1GV 5150-1T	VS1GV 5200-1T	VS1GV 5250-1T
Base Drive List	10766	11585	13574	15681	16617	19950	26600	33250
HP Rating (110% Overload, Normal Duty)	60	75	100	125	150	200	250	300
HP Rating (150% Overload, Heavy Duty)	50	60	75	100	125	150	200	250
FLA (Heavy Duty)	52	62	77	99	125	144	192	242

Enclosure Options

NEMA 1 Cabinet Ventilated	1755	1755	2083	2083	2083	2625	2625	2625
NEMA 12 Cabinet Ventilated	2164	2164	2480	2480	2480	3224	3224	3224
NEMA 12 Cabinet with A/C	4392	4392	4968	4968	4968	6560	6560	6560
NEMA 4 Cabinet with A/C	5508	5508	6318	6318	6318	8640	8640	8640
NEMA 4X Cabinet with A/C	7209	7209	7938	7938	7938	10080	10080	10080
NEMA 3R Rainproof	2902	2902	3881	3881	3881	5725	5725	5725

Input Protection & Disconnect Options

Input Fuses Only	317	317	550	550	550	550	900	900
Fused Disconnect Switch & Rotary Handle	1208	1208	1485	1485	1485	1485	1680	1680
Circuit Breaker Only	1100	1100	1100	1400	1400	1400	1800	1800
Circuit Breaker Disconnect & Rotary Handle	1310	1310	1310	1625	1625	1625	2000	2000

Door Mounted Operator Devices

Door Mounted OIM (Remote Keypad)	75	75	75	75	75	75	75	75
Maintained Start/Stop Switch	105	105	105	105	105	105	105	105
Momentary Start/Stop Push Buttons	180	180	180	180	180	180	180	180
E-Stop Push Button (Mushroom Head)	120	120	120	120	120	120	120	120
Jog Push Button	90	90	90	90	90	90	90	90
2 or 3 Position Selection Switch	90	90	90	90	90	90	90	90
Pilot Light(1)	85	85	85	85	85	85	85	85
Manual Potentiometer	120	120	120	120	120	120	120	120

Contactors, Overloads, Starters, Control Transformers & Line Reactors

Input Contactor(1)	450	450	800	800	1050	1050	1050	2500
Output Contactor(1)	450	450	800	800	1050	1050	1050	2500
Drive Bypass Control(1)	1400	1400	2100	2100	2600	2600	2600	5500
Motor Overload Relay	310	310	420	420	420	550	550	550
Blower Motor Starter(1,4)	180	220	220	220	220	220	220	220
Control Transformer: 460:120 VAC, 250VA (2)	275	275	275	275	275	275	275	275
3% Impedance Input Line or Load Reactor	980	869	869	1130	1510	1759	2059	2881

Other peripheral equipment

Space Heater (100W)	120	120	120	120	120	120	120	120
Analog Input or output Isolator	980	980	980	980	980	980	980	980
Shunt Trip device	280	280	280	280	280	280	280	280
Undervoltage Release Device	355	355	355	355	355	355	355	355
RFI/EMI filter	1170	1170	4590	4590	4590	8290	8290	13350
DC Power Supply	210	210	210	210	210	210	210	210
MOV surge protection	100	100	100	100	100	100	100	100
Input IEEE 519-1992 Harmonic Filter	7920	9910	9940	12190	15420	17460	19320	26080

Dynamic Braking - Transistor + Resistor

1200W resistors	849	849	849	849	849	849	849	849
2400W resistors	1299	1299	1299	1299	1299	1299	1299	1299
4800W resistors	2107	2107	2107	2107	2107	2107	2107	2107
4800W resistors	2107	2107	2107	2107	2107	2107	2107	2107

- (1) Requires Control Transformer option
- (2) Add \$100 for each 100VA over 250VA
- (3) Add \$100 for each 100W over the first 100W
- (4) Required on TEBC motors

Farm Duty
Motors

Definite Purpose
Motors

Unit Handling
Motors

Brake
Motors

200 & 575 Volt
Motors

IEC Frame
Motors

50 Hertz
Motors

Inverter/Vector
Motors & Controls

DC Motors
and Controls

Soft Start & Dynamic
Brakes

VS1SP / VS1GV Keypad Extension Cable

For the convenience of our customers, we offer a connector plug/cable assembly. This assembly provides the connection from the keypad to the control for remote keypad operation.

Catalog Number	Cable Extension Length	List Price	Mult. Sym.	Apx. Shpg. Wgt.
CBLHH015KP	5 feet (1.5 meter)	44	EC	1
CBLHH030KP	10 feet (3.0 meter)	64	EC	1
CBLHH046KP	15 feet (4.6 meter)	83	EC	1
CBLHH061KP	20 feet (6.1 meter)	102	EC	2
CBLHH091KP	30 feet (9.1 meter)	120	EC	3
CBLHH152KP	50 feet (15.2 meter)	171	EC	3
CBLHH229KP	75 feet (22.9 meter)	247	EC	4
CBLHH305KP	100 feet (30.5 meter)	323	EC	5
CBLHH457KP	150 feet (45.7 meter)	452	EC	6
CBLHH610KP	200 feet (61.0 meter)	578	EC	7

VS1SP / VS1GV Dynamic Braking Resistor Assemblies

Dynamic Braking Resistor Assemblies include braking resistors completely assembled and mounted into a NEMA 1 enclosure. Select the braking resistor that has correct ohm value for the control and adequate continuous watts capacity to meet load requirements.

Input Volts	Hp	Total Ohms	Continuous Rated Watts						
			600	1200	2400	4800	6400	9600	14200
230	1 - 7.5	20	RGA620	RGA1220	RGA2420				
	10 - 20	6		RGA1206	RGA2406	RGA4806			
	25 - 40	4		RGA1204	RGA2404	RGA4804			
	50 - 60	2				RGA4802	RGA6402	RGA9602	RGA14202
460	1 - 3	120	RGA6120	RGA12120	RGA24120				
	5 - 10	60	RGA660	RGA1260	RGA2460	RGA4860			
	15 - 25	20	RGA620	RGA1220	RGA2420	RGA4820			
	30 - 50	10		RGA1210	RGA2410	RGA4810			
	60 - 125	4		RGA1204	RGA2404	RGA4804	RGA6404	RGA9604	RGA14204
575	1 - 3	120	RGA6120	RGA12120	RGA24120				
	5 - 10	60	RGA660	RGA1260	RGA2460	RGA4820			
	15 - 25	30	RGA630	RGA1230	RGA2430	RGA4830			
	30	24		RGA1224	RGA2424	RGA4824			
	40 - 125	14				RGA4814	RGA6414		
		List Price	572	849	1,299	2,107	5,312	8,525	11,731
		Mult. Sym.	EC	EC	EC	EC	EC	EC	EC

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VS1SP / VS1GV Expansion Boards

Baldor offers a wide variety of plug-in expansion boards for the VS1SP/VS1GV/VS1SD and H2 Series of drives. Expansion boards allow the drive to be interfaced with various inputs and outputs. Each control has the capability to utilize up to two expansion boards.

Catalog Number	Description	List Price	Mult. Sym.														
EXBHH001A01	Ethernet Server Expansion Board Provides easy connection to all drive parameters for setup and review using any PC based Web Browser via an Ethernet connection. Download parameter values, operating conditions, and fault log data for review and archive. Uses standard RJ-45 female terminal for Ethernet connection.	163	EC														
EXBHH003A01	Isolated Input Expansion Board Contains 9 isolated inputs jumper configurable for 90-130 VAC. All inputs must be the same voltage – one side of all inputs is common. This board replaces all the opto inputs on the main control board. Uses screw terminals for connection.	211	EC														
EXBHH005A01	High Resolution Analog Input/Output Board Provides two additional analog inputs and two additional analog outputs with up to 16 bits resolution. Acceptable DC inputs: ± 10V, 0-10V, or ± 5V with 300 microvolt resolution. Current inputs: 0-20 mA or 4-20 mA with 0.6 microamp resolution. <table border="0" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">Input</td> <td style="text-align: center;">Resolution</td> </tr> <tr> <td style="text-align: center;">± 10 V</td> <td style="text-align: center;">16 bit</td> </tr> <tr> <td style="text-align: center;">0 - 10 V</td> <td style="text-align: center;">15 bit</td> </tr> <tr> <td style="text-align: center;">± 5 V</td> <td style="text-align: center;">15 bit</td> </tr> <tr> <td style="text-align: center;">0 - 5 V</td> <td style="text-align: center;">14 bit</td> </tr> <tr> <td style="text-align: center;">0 - 20 mA</td> <td style="text-align: center;">15 bit</td> </tr> <tr> <td style="text-align: center;">4 - 20 mA</td> <td style="text-align: center;">15 bit</td> </tr> </table> All inputs can be inverted through software.	Input	Resolution	± 10 V	16 bit	0 - 10 V	15 bit	± 5 V	15 bit	0 - 5 V	14 bit	0 - 20 mA	15 bit	4 - 20 mA	15 bit	330	EC
Input	Resolution																
± 10 V	16 bit																
0 - 10 V	15 bit																
± 5 V	15 bit																
0 - 5 V	14 bit																
0 - 20 mA	15 bit																
4 - 20 mA	15 bit																
EXBHH007A01	Master Pulse Reference/Isolated Pulse Follower Board 1. Accepts a 5V or 12V quadrature pulse train input or pulse and direction input to use as a master reference. 2. Re-transmits the input pulse train at 5Vdc for different ratios from 1:20 up to 65535:1 (Scaled output). 3. Can be used as a auxiliary encoder input to the control. 4. A CANOpen port utilizing a RJ-45 female connector for adding an additional I/O breakout box or CAN HMI terminal.	539	EC														
EXBHH013A02	DeviceNet / EtherNet / IP / Modbus - TCP Expansion Board Allows VS1GV, VS1SP, VS1SD and H2 Drives to be connected to a DeviceNet Communications Network or an EtherNet/IP Communications Network or a Modbus - TCP Communications Network. Uses plug-in terminals for connection to a DeviceNet Communications Network or an RJ-45 to connect to an EtherNet/IP or a Modbus - TCP Communications Network.	558	EC														
EXBHH014A01	PROFIBUS-DP Expansion Board Allows VS1GV, VS1SP and H2 Drives to be connected to a PROFIBUS Communications Network. Uses plug-in terminals for connection.	670	EC														
EXBHH015A01	BACnet Expansion Board Allows VS1GV, VS1SP and H2 Drives to be connected to a BACnet Communications Network. Uses 9-pin D-shell for connection.	575	EC														
EXBHH016A01	LonWorks Communications Expansion Board Allows VS1GV, VS1SP and H2 Drives to be connected to a LonWorks Communications Bus. Uses plug-in terminals for connection.	548	EC														
EXBHH017A01	Metasys N2 Communications Expansion Board allows VS1GV, VS1SP and H2 drives to be connected to a NA communications network. Uses plug-in terminals for connection.	575	EC														
EXBHH019A01	EtherNet/IP / Modbus - TCP / BACnet - IP Expansion Board Allows VS1GV, VS1SP, VS1SD and H2 Drives to be connected to an EtherNet/IP, MODbus - TCP or BACnet - IP Communications Network. Uses an RJ-45 for connection.	558	EC														

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